Population Survey of the Oyster *Crassostrea virginica* in the Dunk River Estuary, Prince Edward Island, 1975

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POPULATION SURVEY OF THE OYSTER *CRASSOSTREA VIRGINICA* IN THE DUNK RIVER ESTUARY, PRINCE EDWARD ISLAND, 1975

by

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CONTENTS

Abstract/Résumé iv

Introduction 1

Materials and methods 1

Results and discussion 1

Summary 3

Acknowledgements 3

References 3

Appendix 61

ABSTRACT

Hawkins, C.M. and T.W. Rowell. 1985. Population survey of the oyster Crassostrea virginica in the Dunk River Estuary, Prince Edward Island, 1975. Can. MS Rep. Fish. Aquat. Sci. 1861: iv + 106 p.

This report is the fifth in a series of seven which examine temporal changes in the oyster population of the Dunk River, Prince Edward Island. The report tabularizes and graphically presents information on the distribution, abundance, size, and age composition of oysters collected in 1975. Oyster density over the survey area ranged from 0-496 m^{-2}. Sixty-one percent of the sampling stations yielded oysters, 1 and 2 yr old oysters being most abundant and representing 30.6% and 30.3% of the population respectively. Three and 4 yr old and older oysters accounted for 23.1% and 16.0% of the population respectively. Size frequency histograms for individual stations indicated that spatfall settlement and survival was more regular in the principal fishing areas than in other areas of the Estuary.

RÉSUMÉ

Hawkins, C.M. and T.W. Rowell. 1985. Population survey of the oyster Crassostrea virginica in the Dunk River Estuary, Prince Edward Island, 1975. Can. MS Rep. Fish. Aquat. Sci. 1861: iv + 106 p.

Le présent document est le cinquième d'une série de sept rapports protant sur les changements temporals qui touchent la population d'huîtres dans la rivière Dunk, Ile-du-Prince-Edouard. Le rapport présente des renseignements sous forme de tableaux et de graphiques concernant la distribution, l'abondance, la taille et l'âge des huître capturées en 1975. La densité des huîtres dans la région étudiée a varié de 0 à 496 par m^2. On a capturé des huîtres dans 61% des stations d'échantillonnage. Les huîtres âgées de un et deux ans étaient les plus abondantes et représentaient respectivement 30,6% et 30,3% de la population. Les huîtres de trois et de quatre ans et plus représentaient respectivement 23,1% et 16,0% de la population. Les histogrammes de fréquences relatifs à la taille pour les différentes stations ont indiqué que la fixation des larves sur un support et la survie ont été plus régulières dans les principales zones de pêche que dans les autres zones de l'estuaire.

INTRODUCTION

This is the fifth report in a series of seven examining the population structure of the oyster, Crassostrea virginica, in the Dunk River Estuary, Prince Edward Island. The long-term monitoring program, which began in the summer of 1969, was designed to yield detailed information on the distribution, abundance, and size composition of oysters in the Estuary. The following summarizes data collected during July 1975.

MATERIALS AND METHODS

Hawkins and Rowell (1985a) present a detailed description of the study site, sampling procedures, and methods of data acquisition and collation. The field sampling program was undertaken between July 21 and 25, 1975, after the close of the relay fishery. At some sampling stations less than 1 m^2 was sampled; however, all data presented in this report have been adjusted to represent square meter quadrats. Reporting the data in this fashion facilitates comparability with past reports in the series. Figure 1 shows the location of the 167 stations sampled.

RESULTS AND DISCUSSION

Table 1 lists sampling stations along with oyster density and fresh weight in kilograms (per square meter), size range, mean size (in centimeters), and standard deviation of live oysters collected at each station. Figure 2 presents the distribution of shell collected at each station. Wet weight of shell material ranged from 0-11.1 kg m^{-2}. In 21% of all stations this material exceeded 2.0 kg. In previous years (Hawkins and Rowell 1985d) loose shell material only exceeded 2.0 kg m^{-2} in 2.3% of the stations examined.

Oyster density per square meter at each station is illustrated in Figure 3. Over all stations, the density ranged from 0-496 m^{-2}. Twenty-nine percent of stations examined had no live oysters.

Based on the three oyster density categories suggested by Lavoie (1977), 52.7% of the 167 stations examined in 1975 exhibited low densities ($\leq$10 oysters m^{-2}), 28.7% exhibited intermediate densities (11-100 oysters m^{-2}), and 18.6% showed high densities (>100 oysters m^{-2}). Lavoie further indicated that areas of intermediate oyster density are preferred by fishermen, since they provide good-quality oysters while requiring little culling effort. While this consideration may be important in the market-direct fishery, it does not apply to the same degree in a relay fishery, such as that in the Dunk River where the cull size is smaller. Density information based on size (length) and age is more useful in determining oyster availability to the fishery and in following recruitment patterns. In comparison to the previous year (1974) (Hawkins and Rowell 1985d), low-density areas have increased in 1975 over 1974 by about eight percentage points, intermediate-density areas by 7.3 percentage points, and high-density areas have increased by approximately 15 percentage points.

Figures 4a, b, c, and d show the density per square meter of ages 1, 2, 3, and 4+ yr old oysters at each station. Ages were approximated from the growth equation established by Lavoie and Bryan (1981) for Dunk River oysters. Figures 5a, b, c, and d present the same data but express the density for each age as a percentage of all oysters collected at the sampling station. Approximately 20% (1,998 individuals) of all oysters collected (9,997 individuals) were equal to or greater than 2.5 inches (6.5 cm), the cull size of the relay fishery, while about 10% (1,025 individuals) were equal to or greater than the minimum market size of 3 inches (7.6 cm).

Figure 5 shows that oysters of the year classes 1, 2, 3, and 4+ separately comprised more than 25% of the oysters collected per square meter at roughly equal numbers of stations surveyed (33.5%, 28.8%, 27.0%, and 22.8% respectively).

Size frequency distributions were also calculated for each station with more than 10 individuals m^{-2} (Fig. 6). Lower densities were not considered representative of populations within a 1 m^2 quadrat. Size frequency distributions for individual stations within the two principal fishing areas suggest that these areas receive more regular spatfall settlement and probably have better rates of survival than do other areas of the Estuary. This is revealed by the wide size range of oysters collected at each station in each of the two areas (Stations 87 to 90, 109 to 116, 142, 143, and 27 to 30, 33 to 38, 46 to 48, 79, 81, and 82) combined with similar patterns in the overall size frequency distribution among stations within each area. Areas outside the main fishing grounds exhibit marked irregular patterns in both the overall frequency distribution among stations and the range of sizes of oysters sampled at each station.

Figure 7, a composite size frequency histogram constructed from all data, provides a means of comparing the 1975 population structure with those observed in previous and subsequent years. The 1975 frequency distribution is bimodal. One and 2 yr old oysters together comprise 60.9% of the sampled population, with 1 yr olds accounting for 30.6% and 2 yr olds 30.3%. In the previous year (1974) (Hawkins and Rowell 1985d), 1 and 2 yr old oysters together accounted for 74.1% of the sampled population, with 1 yr olds representing 45.0% of the population and 2 yr olds 29.1%. The high percentage of 3 yr olds (23.1%) seen in 1975 appears to confirm the success of the 1972 year class and further suggests that the low representation of this year class as 1 yr olds in the 1973 survey was the result of sampling error.

When compared to subsequent years, the 1975 population structure shows the common feature of two modes, with the most prominent of comparable magnitude to those of other years (Hawkins and Rowell 1985a, b, c, and d).

The Appendix lists the composition, by weight, of material collected at each station. In general, live oysters and other shell comprised the greatest proportion by weight in each sample.

SUMMARY

1. Weight of oyster shell collected at each station ranged from 0-1.1 kg. In 21% of all stations loose shell material exceeded 2.0 kg.

2. Oyster shell and live oysters comprised the major proportion of the total sample weight at each station.

3. Oyster density ranged from 0-496 individuals m^{-2}; 52.7% of all stations exhibited low densities ($\leq 10\ m^{-2}$), 28.7% intermediate densities ($11\text{-}100\ m^{-2}$), and 18.6% high densities ($>100\ m^{-2}$).

4. Size frequency distributions indicated that spatfall settlement and survival in the principal fishing areas is more regular than in other areas.

5. A size frequency distribution for the entire population indicated that 1 yr olds accounted for 30.6% and 2 yr olds for 30.3% of the sampled population. Three and 4+ yr olds accounted for 23.1% and 16.0% respectively.

6. Percentage representations of 1 yr olds suggest good spatfall settlement and survival of the 1974 year class, and the high percentage of 2 yr olds confirms the very good spatfall and survival of the 1973 year class.

7. The high percentage of 3 yr old oysters further confirms the success of the 1972 year class and the apparently poor sampling of this year class in the 1973 survey.

ACKNOWLEDGEMENTS

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Table 1. Density per square meter, range of 0.5 cm size classes, and mean size (in centimeters), standard deviation, and fresh weight (in kilograms) of oysters collected at each station in 1975.

Transect line	Station number	Number m^{-2}	Range of 0.5 cm size classes	Mean size (cm)	Standard deviation	Oyster weight (kg m^{-2})
A	1	1	4.0- 4.5	4.5		0.01
	2	5	4.5- 7.0	6.00	0.94	0.09
	3	248	0.0-13.0	4.04	3.17	1.86
	4	248	0.0-14.0	4.74	3.22	2.57
	5	0				
	6	5	4.0- 9.5	6.80	1.79	0.13
B	7	0				
	8	73	1.0-10.5	4.60	1.85	0.78
	9	3	0.0- 2.0	1.17	0.76	-
	10	0				
	11	1	7.5- 8.0	7.5		0.07
	12	14	0.5-10.5	4.36	3.01	0.21
	13	65	0.5- 9.5	4.66	2.71	1.24
	14	6	3.5- 6.0	5.00	0.77	0.07
	15	0				
C	16	0				
	17	0				
	18	8	1.0- 9.0	4.88	3.03	0.11
	19	216	0.0-12.5	3.05	2.57	1.24
	20	188	0.5-12.0	4.24	2.67	0.70
	21	58	0.5-13.0	5.16	2.40	0.71
	22	17	1.0-10.0	5.35	2.39	0.21
	23	1	8.5- 9.0	8.5		0.04
	24	2	5.5- 8.0	7.00	1.41	0.06
D	25	10	2.0- 8.5	4.10	1.73	0.09
	26	0				
	27	102	0.0-15.5	5.43	3.53	1.25
	28	90	0.5-14.5	5.10	2.81	1.60
	29	284	0.5-12.0	4.45	2.48	3.80
	30	18	0.5- 9.5	3.97	2.46	0.22
	31	7	1.5- 7.5	4.79	2.14	0.05
	32	15	0.0- 8.5	5.00	2.17	0.23
E	33	32	0.5-11.0	3.47	2.78	0.54
	34	53	0.0-10.5	3.90	2.88	-
	35	23	0.5-12.5	4.24	3.38	0.24
	36	496	0.0-14.0	5.15	2.64	6.26
	37	100	0.5-10.0	5.40	2.67	1.83
	38	49	0.5- 9.0	3.71	2.13	0.44

...Cont'd.

Table 1. Cont'd.

Transect line	Station number	Number m^{-2}	Range of 0.5 cm size classes	Mean size (cm)	Standard deviation	Oyster weight (kg m^{-2})
	39	11	1.5- 9.5	5.14	2.13	0.27
	40	20	0.0- 8.0	3.20	2.37	0.16
	41	0				
	42	14	0.5-11.0	5.64	3.05	0.33
F	43	3	1.0- 2.0	1.67	0.29	-
	44	35	0.0-15.0	5.37	3.26	0.55
	45	0				
	46	236	0.5-10.5	3.62	2.25	1.72
	47	280	0.5- 9.0	4.24	1.81	2.58
	48	216	0.0-10.0	3.72	2.60	2.44
	49	148	0.5-12.5	4.18	3.29	2.38
	50	11	2.5-12.5	6.91	3.13	0.40
	51	4	5.0- 8.5	7.50	1.35	0.12
	52	9	3.0- 8.5	5.61	2.09	0.22
G	53	5	0.5-11.0	4.10	4.01	0.12
	54	156	0.0- 9.5	3.76	2.31	1.71
	55	712	0.5-11.5	4.62	2.22	8.51
	56	1	4.5- 5.0	4.75		0.02
	57	15	1.0- 7.5	4.37	1.87	0.15
	58	0				
	59	164	0.5-10.5	4.24	2.09	1.74
	60	180	0.0- 9.0	4.20	2.10	1.93
	61	36	3.0- 9.5	6.17	2.50	1.02
	62	7	2.5-10.0	6.00	2.31	-
H	63	46	0.0-11.0	4.24	2.43	0.61
	64	100	0.0-10.5	4.66	2.46	1.50
	65	508	0.5-10.5	4.33	2.32	5.28
	66	0				
	67	0				
	68	13	0.5-10.0	4.38	2.84	0.28
	69	220	0.5-11.5	4.60	2.13	2.76
	70	104	0.5-11.0	5.79	3.13	2.69
	71	22	0.5-10.5	5.70	3.01	0.53
	72	0				
	73	33	0.5-14.5	5.83	3.65	0.94
	74	19	0.5- 8.5	4.87	2.47	0.16
I	75	125	0.5- 9.5	4.18	1.92	1.41
	76	416	0.0-10.5	3.91	1.99	3.10
	77	480	0.0-13.0	3.52	2.38	3.21

...Cont'd.

Table 1. Cont'd.

Transect line	Station number	Number m-2	Range of 0.5 cm size classes	Mean size (cm)	Standard deviation	Oyster weight (kg m^{-2})
	78	540	0.0-11.0	4.43	1.94	5.39
	79	0				
	80	0				
	81	166	0.0-10.5	4.08	2.50	1.75
	82	47	0.5-11.5	4.06	2.75	0.57
	83	58	0.0- 7.5	4.38	2.23	0.66
	84	5	4.0-12.5	6.90	3.23	0.18
	85	15	1.0-14.5	7.00	5.05	0.55
J	86	19	0.5-11.0	4.61	2.66	0.42
	87	206	0.0- 8.0	3.87	1.79	1.96
	88	164	0.5-10.5	4.51	2.58	2.14
	89	296	0.0-12.0	3.60	2.20	2.00
	90	194	0.0-12.5	4.18	2.44	2.42
	91	372	0.0- 9.5	3.98	2.18	2.94
	92	100	0.0-10.0	4.28	2.13	1.09
	93	0				
	94	0				
	95	58	0.5-11.5	4.04	2.75	0.84
	96	0				
	97	18	0.5-12.5	3.97	3.06	0.27
	98	2	2.0- 8.0	5.25	3.89	0.03
	99	24	1.0-14.0	4.50	3.38	0.40
K	100	25	0.5-13.0	4.64	3.34	0.33
	101	16	0.5- 9.0	5.22	2.14	0.24
	102	62	0.5- 8.5	3.11	1.68	0.40
	103	0				
	104	1	4.0- 4.5	4.0		0.31
	105	0				
	106	18	0.5- 9.0	5.11	2.69	0.43
	107	0				
	108	0				
	109	60	0.5-11.5	4.64	2.27	1.64
	110	31	0.5-10.5	4.52	2.65	0.74
	111	150	0.5-10.5	4.80	2.37	3.21
	112	0				
L	113	22	0.5-11.5	5.61	2.67	0.69
	114	9	0.5-13.0	7.78	3.60	0.45
	115	64	0.0-10.5	4.84	3.46	1.51
	116	34	0.5-12.0	4.75	2.80	0.63
	117	0				
	118	0				

...Cont'd.

Table 1. Cont'd.

Transect line	Station number	Number m^{-2}	Range of 0.5 cm size classes	Mean size (cm)	Standard deviation	Oyster weight (kg m^{-2})
	119	0				
	120	0				
	121	0				
	122	16	1.0-12.0	7.21	3.25	0.89
	123	4	3.5- 8.0	5.50	1.73	0.16
M	124	0				
	125	0				
	126	26	0.0- 9.0	4.85	2.37	0.26
	127	102	0.5-14.5	4.08	2.87	0.71
	128	63	0.5-15.0	4.69	3.12	0.67
	129	0				
	130	11	2.0- 9.0	6.41	1.83	0.31
	131	8	2.5- 7.5	5.13	1.46	0.15
	132	17	0.5- 8.5	5.21	1.97	0.28
	133	0				
N	134	7	4.0-10.0	6.64	2.12	0.23
	135	5	3.0- 6.5	4.90	1.08	0.09
	136	10	1.0-13.0	7.50	3.46	0.43
	137	4	5.0- 8.0	6.50	1.08	0.13
	138	1	5.5- 6.0	6.0		0.02
	139	0				
	140	0				
	141	0				
O	142	18	0.5-13.0	5.89	4.75	0.89
	143	10	0.5-10.0	7.00	3.32	0.54
	144	1	9.0- 9.5	9.5		0.15
	145	5	0.5- 8.0	5.00	3.66	0.18
	146	11	0.5- 8.5	3.45	2.22	0.10
	147	1	7.0- 7.5	7.5		0.04
	148	0				
	149	0				
	150	0				
	151	0				
	152	0				
	153	33	0.5-12.0	5.18	2.93	0.72
	154	0				
	155	0				
	156	2	5.0-14.0	9.75	6.01	0.26
	157	0				

...Cont'd.

Table 1. Cont'd.

Transect line	Station number	Number m^{-2}	Range of 0.5 cm size classes	Mean size (cm)	Standard deviation	Oyster Weight (kg m^{-2})
P	158	77	0.0-17.5	5.44	3.52	1.62
	159	0				
	160	0				
	161	0				
	162	0				
	164	1	11.0-11.5	11.5		0.07
	165	1	10.0-10.5	10.5		0.06
	166	0				
	167	0				

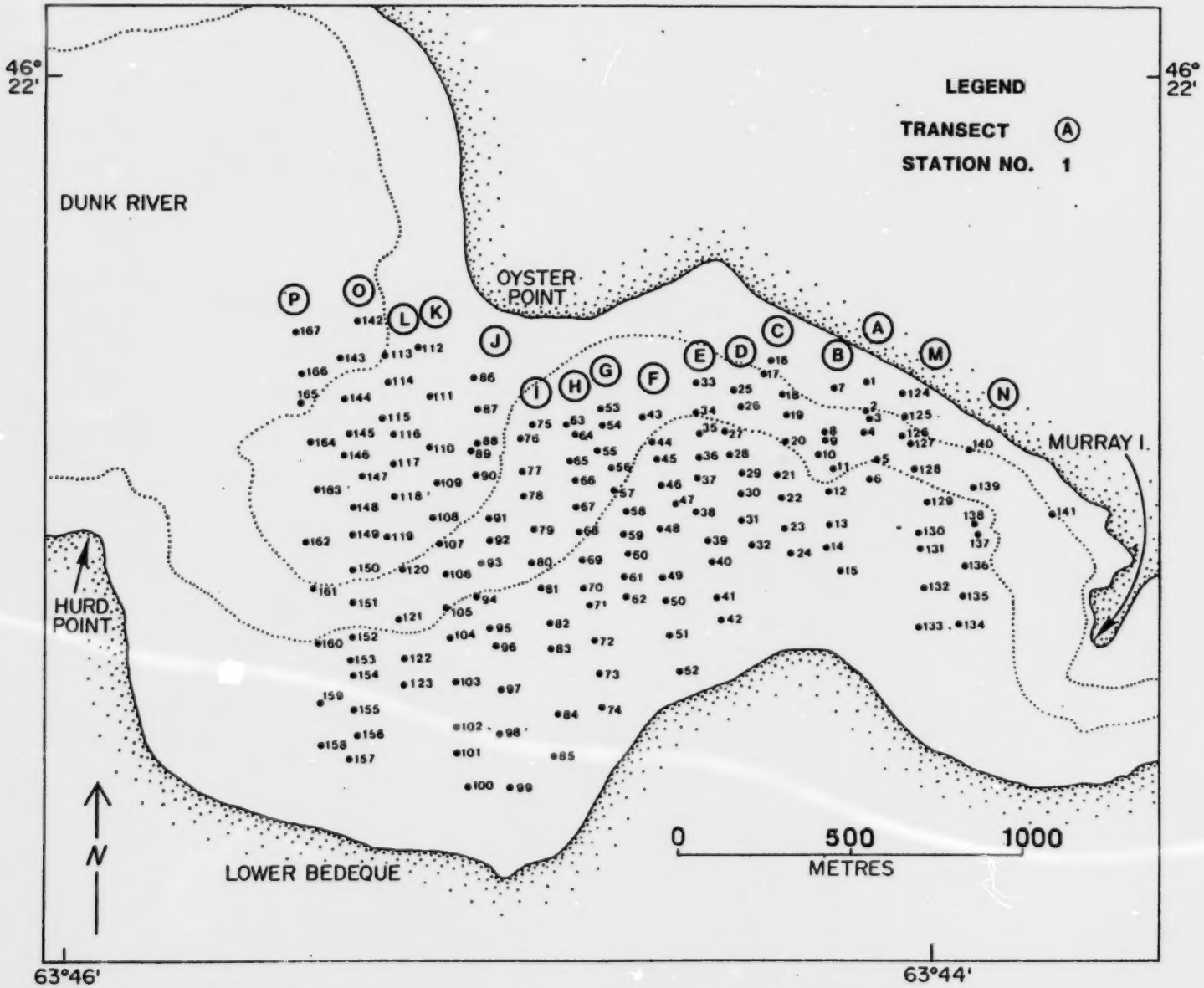


Figure 1. Positions of transects and their respective sampling stations in the Dunk River Estuary, 1975.

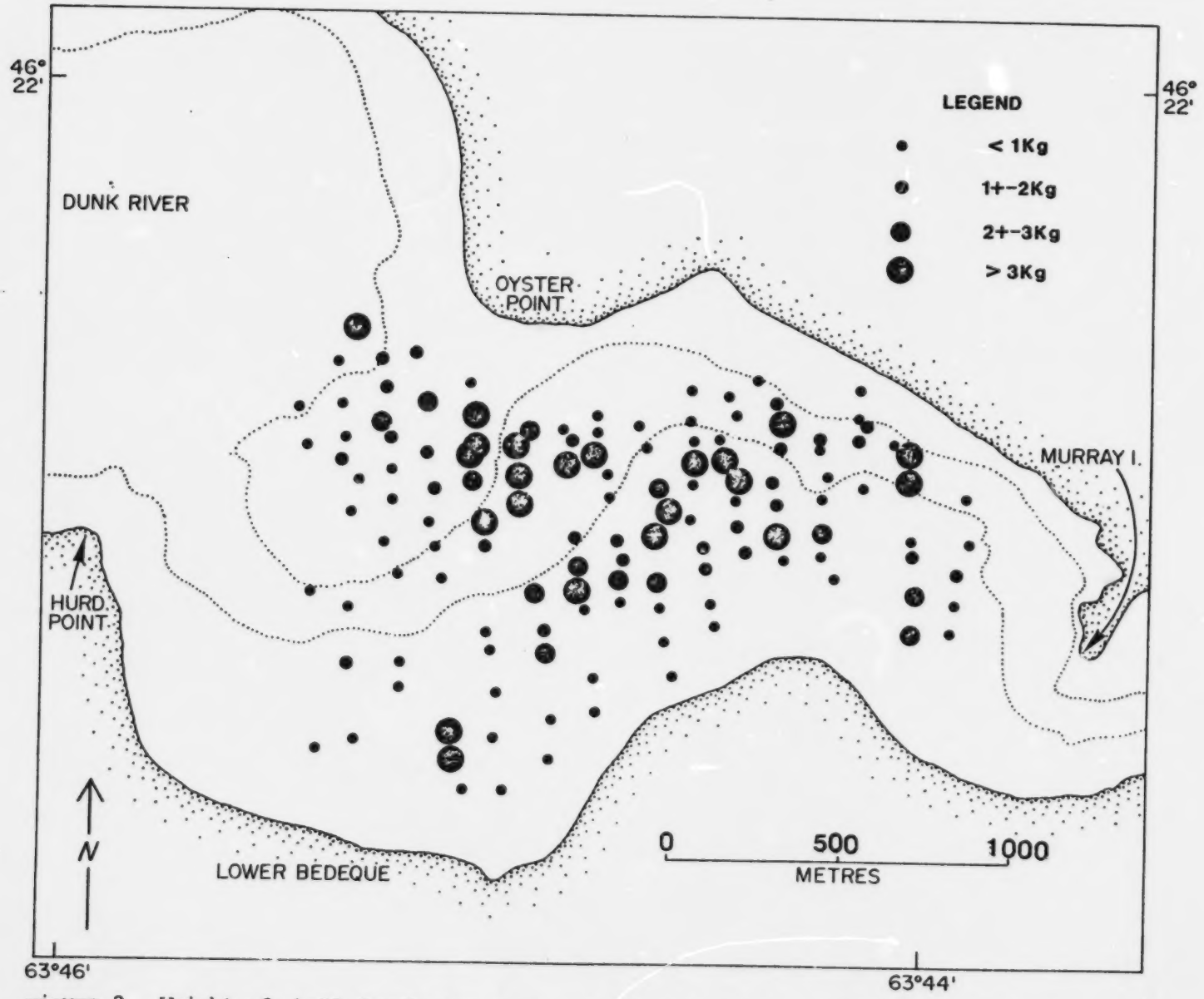


Figure 2. Weight of shell (excluding oyster shell) collected at each station in 1975.

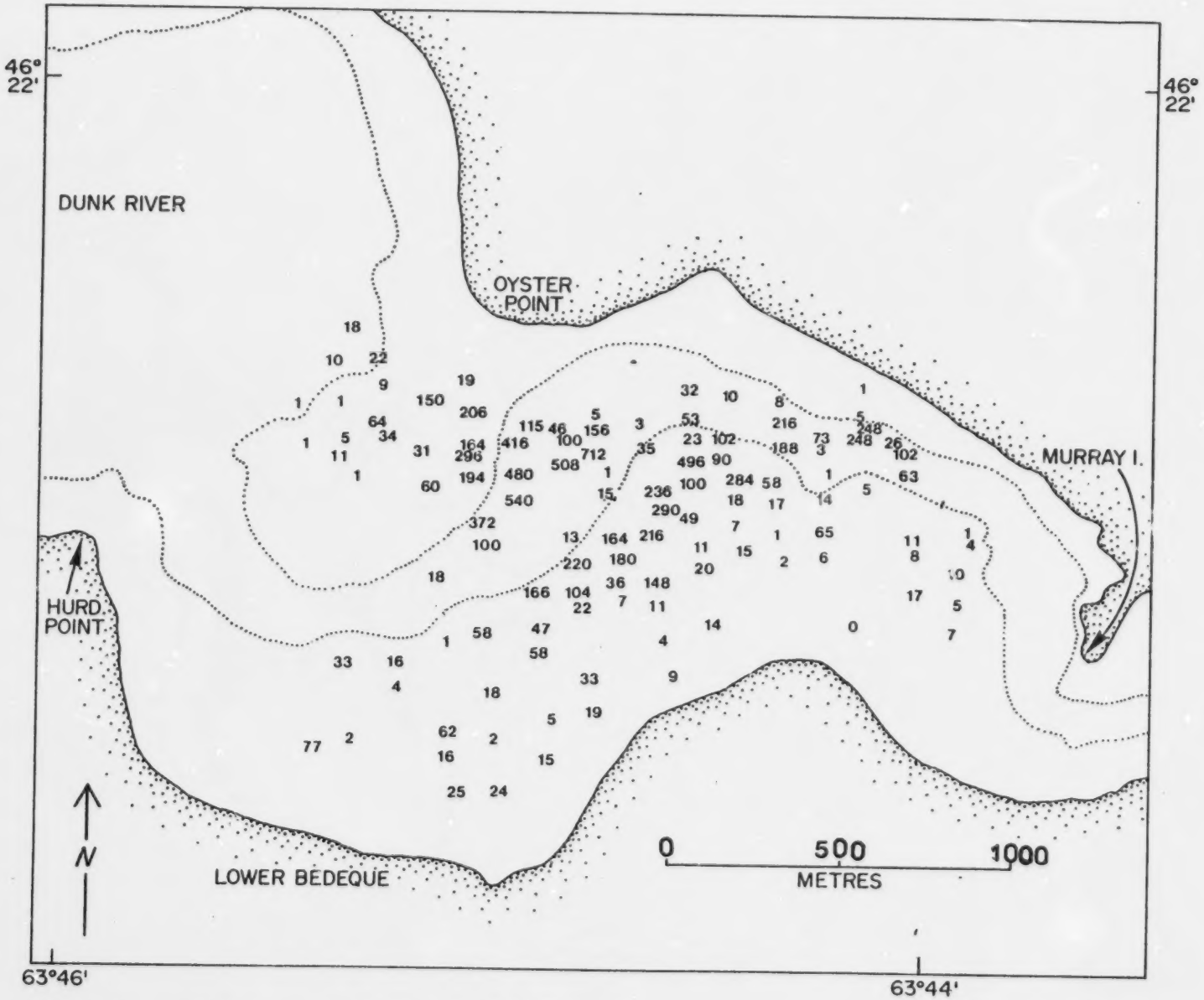


Figure 3. Number of oysters per square metre.

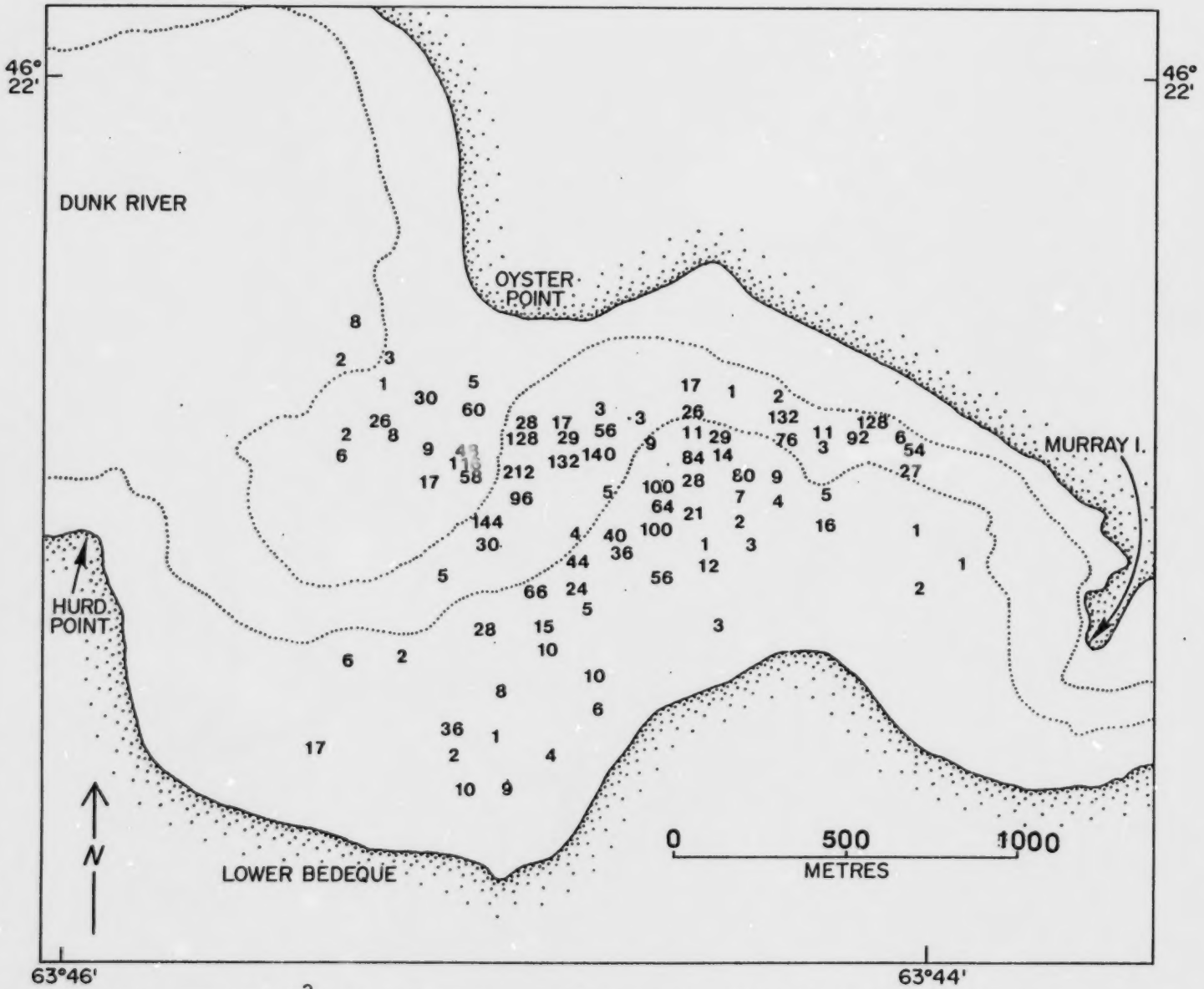


Figure 4a. Density m^{-2} of 1 yr old oysters ($\leq$ 2.5 cm) collected at each station.

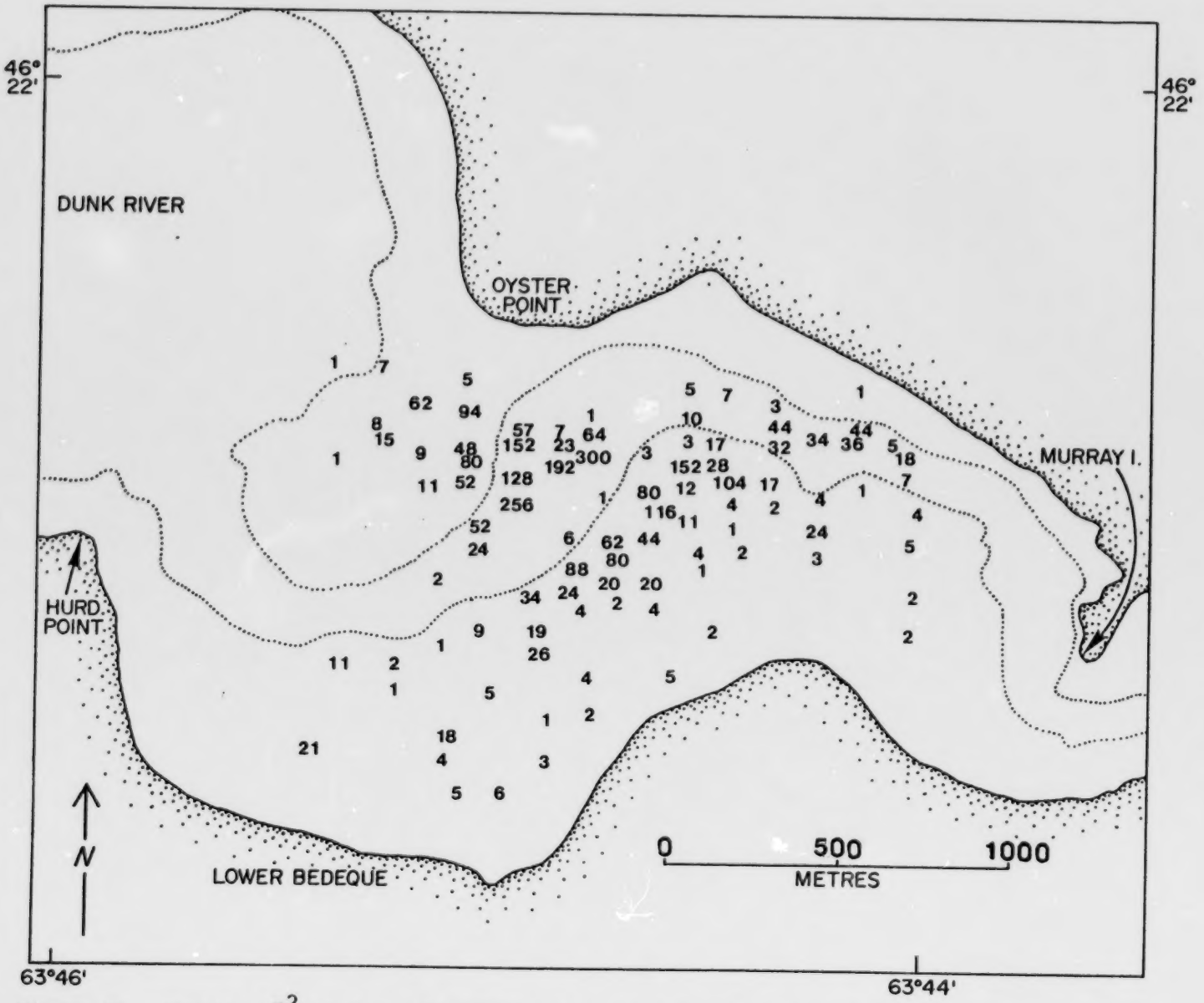


Figure 4b. Density m^{-2} of 2 yr old oysters (2.6 to 4.5 cm) collected at each station.

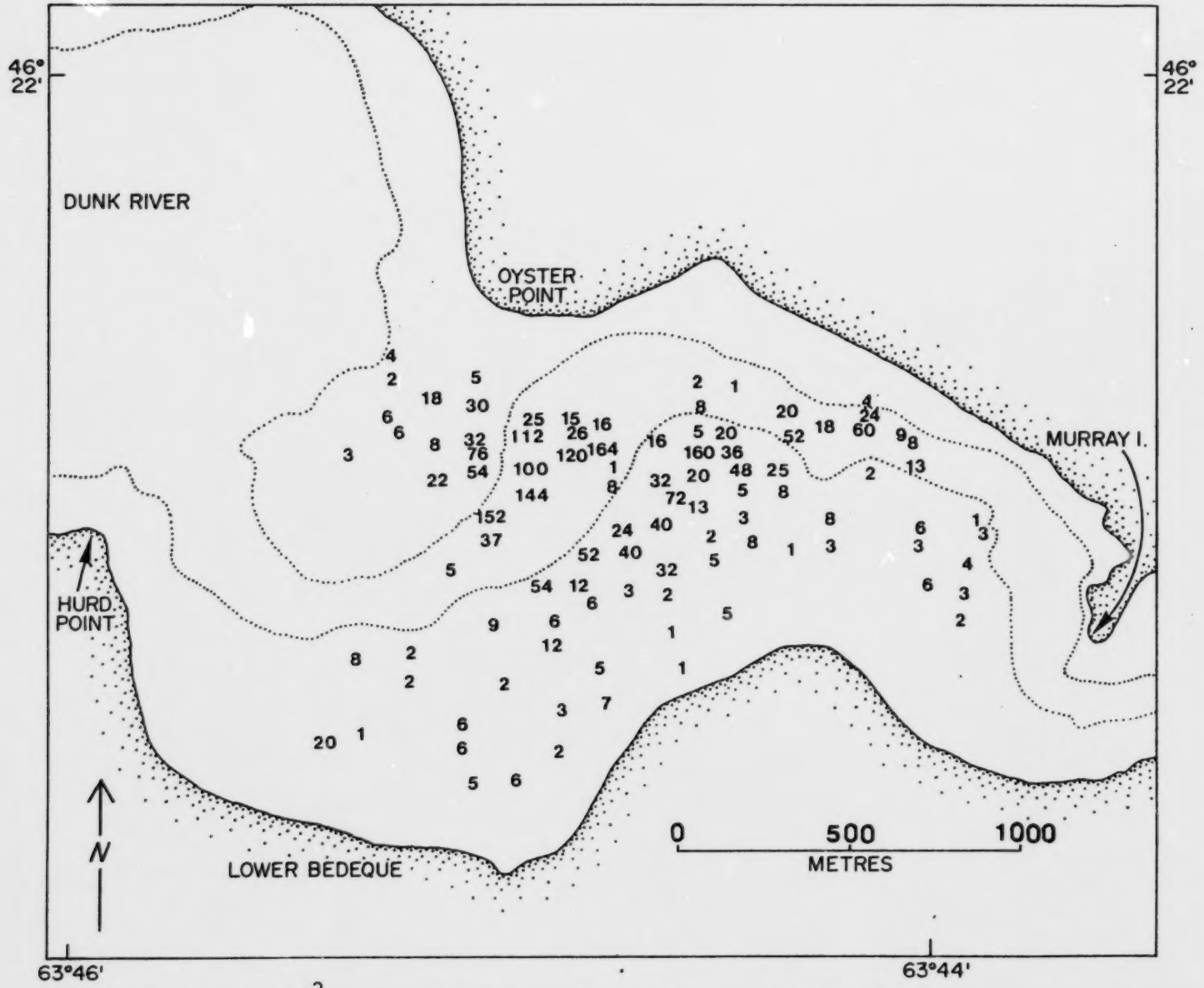


Figure 4c. Density m^{-2} of 3 yr old oysters (4.6 to 6.5) collected at each station.

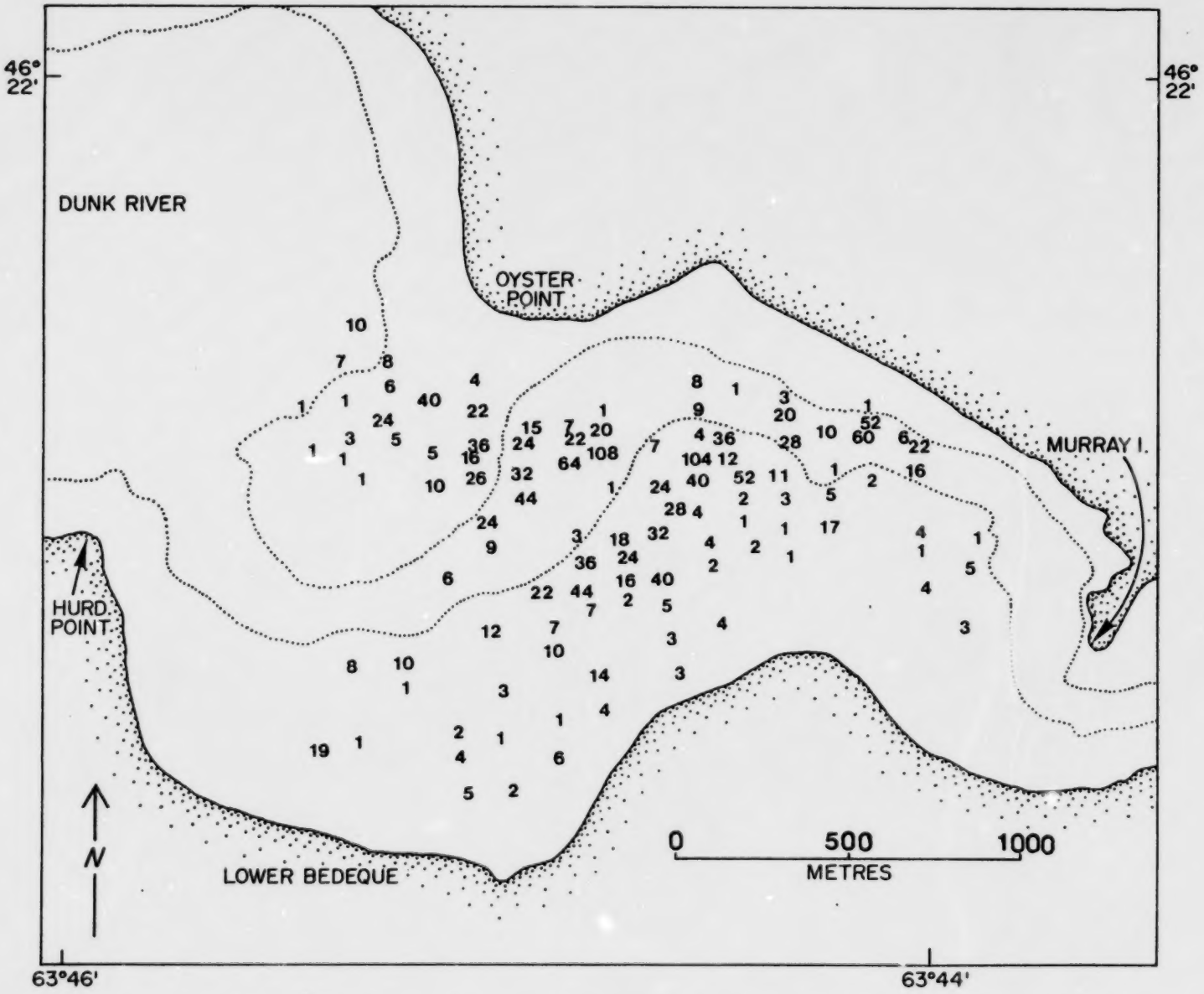


Figure 4d. Density m^{-2} of 4+ yr old oysters (>6.5 cm) collected at each station.

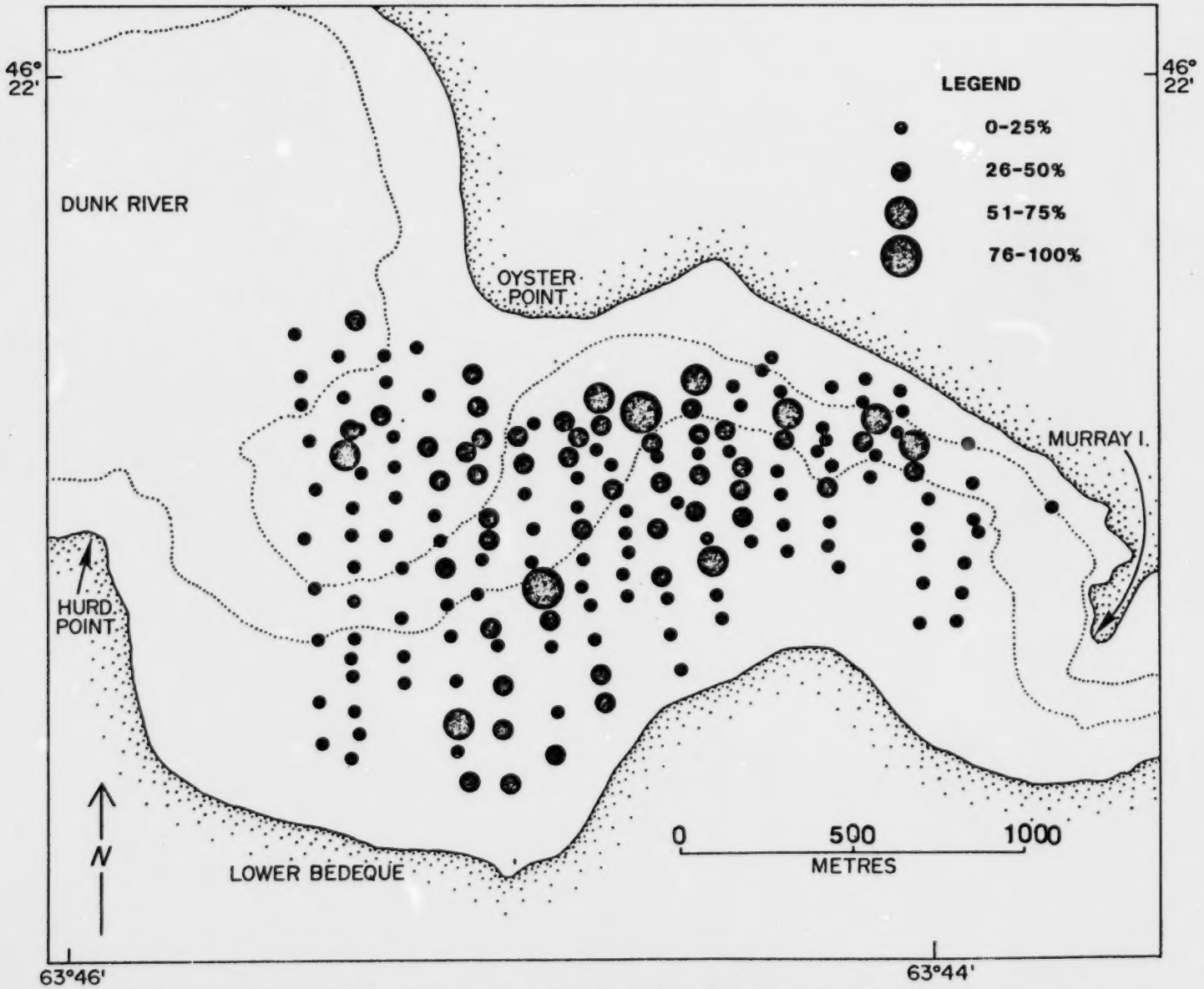


Figure 5a. Percentage of 1 yr olds (≤ 2.5 cm) collected at each station.

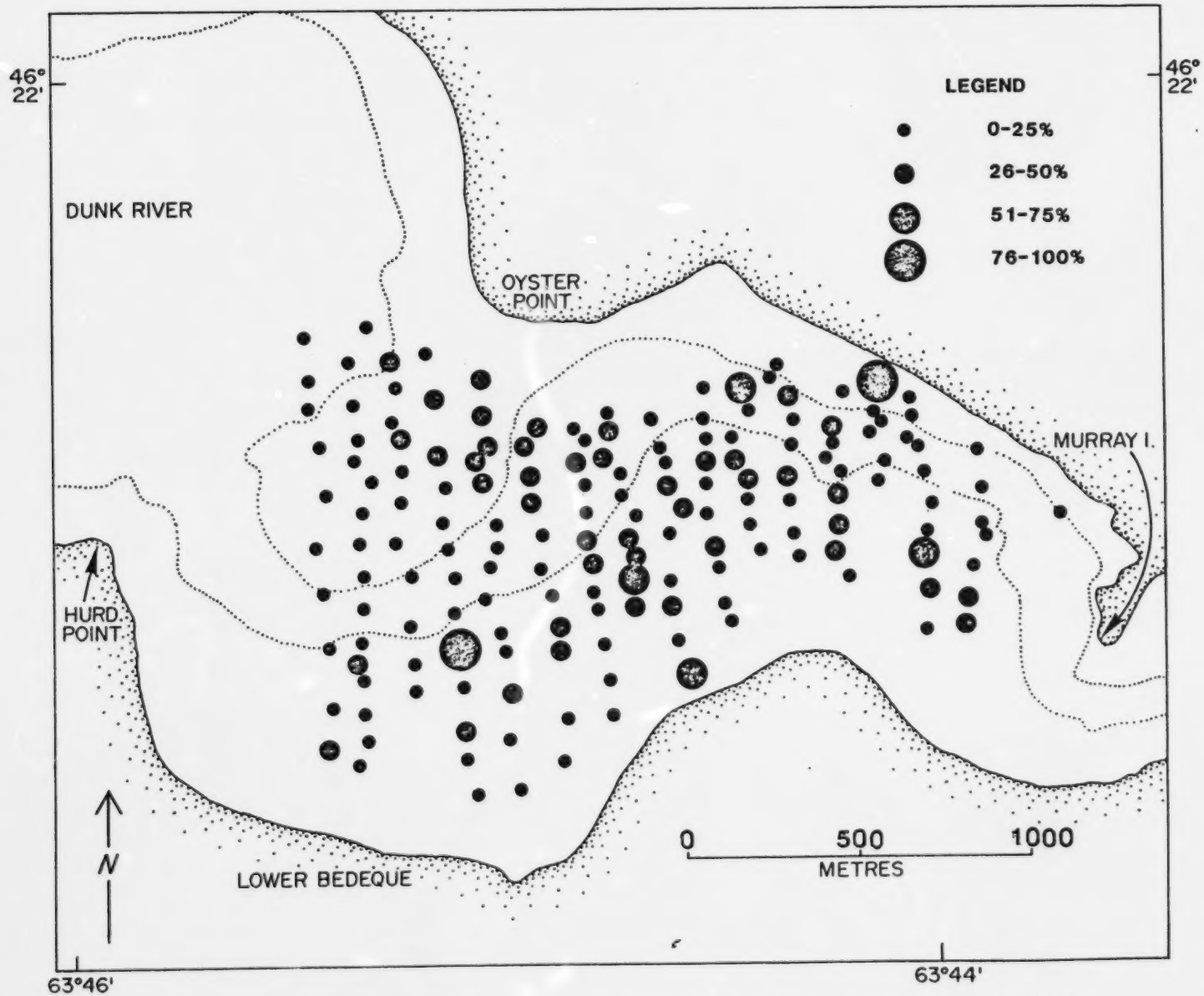


Figure 5b. Percentage of 2 yr old oysters (2.6 to 4.5 cm) collected at each station.

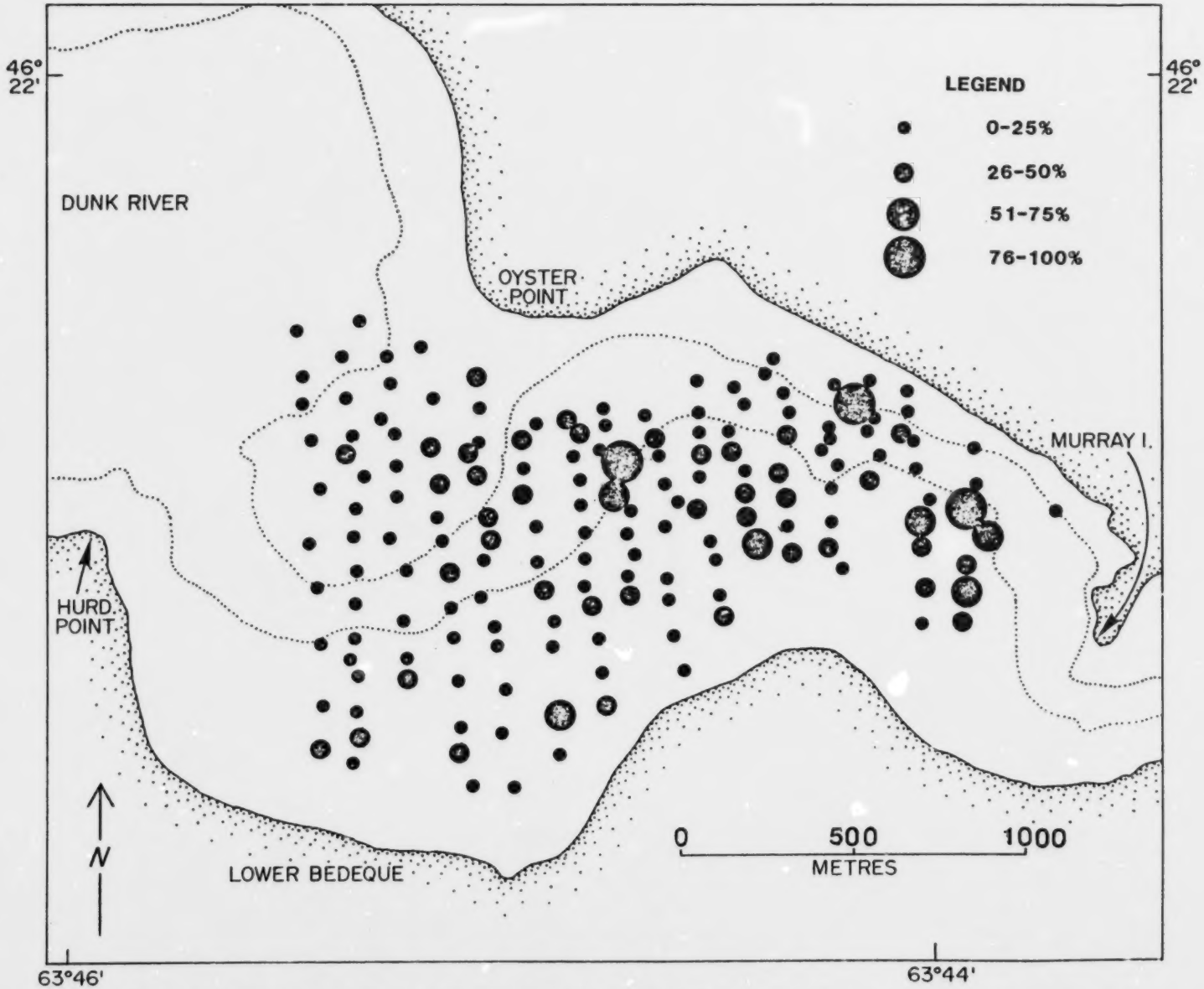


Figure 5c. Percentage of 3 yr old oysters (4.6 to 6.5 cm) collected at each station.

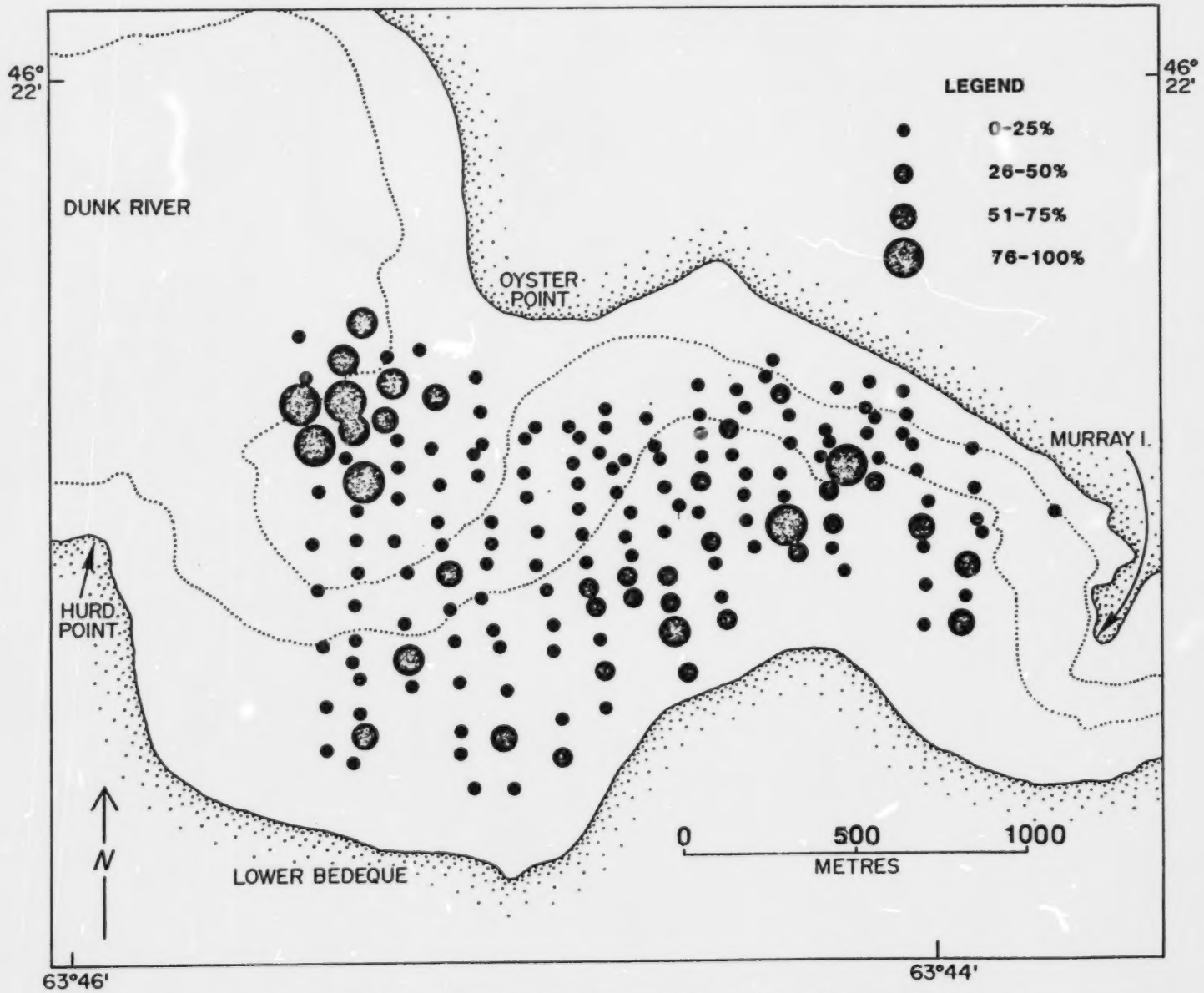


Figure 5d. Percentage of 4+ yr old oysters (>6.5 cm) collected at each station.

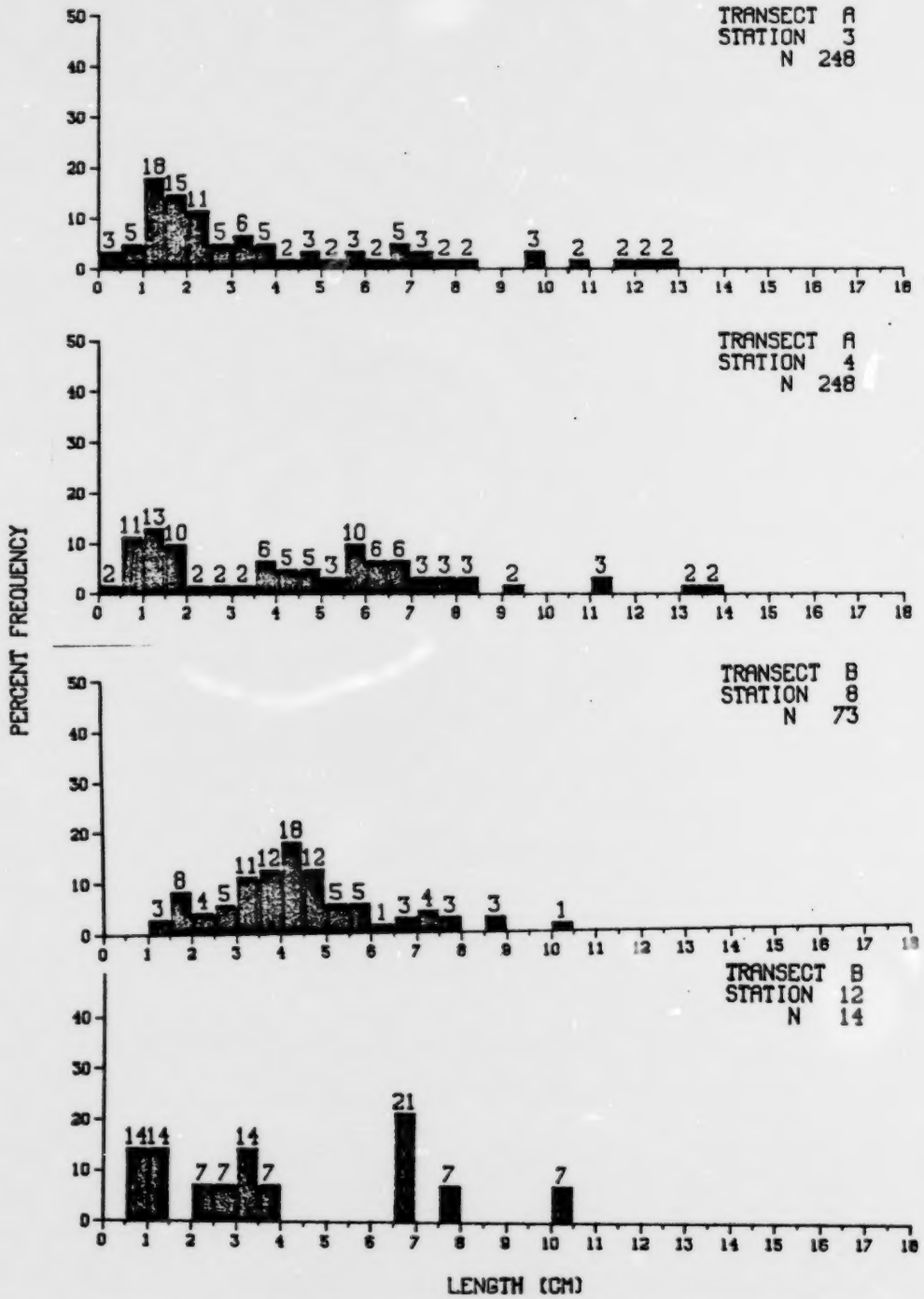
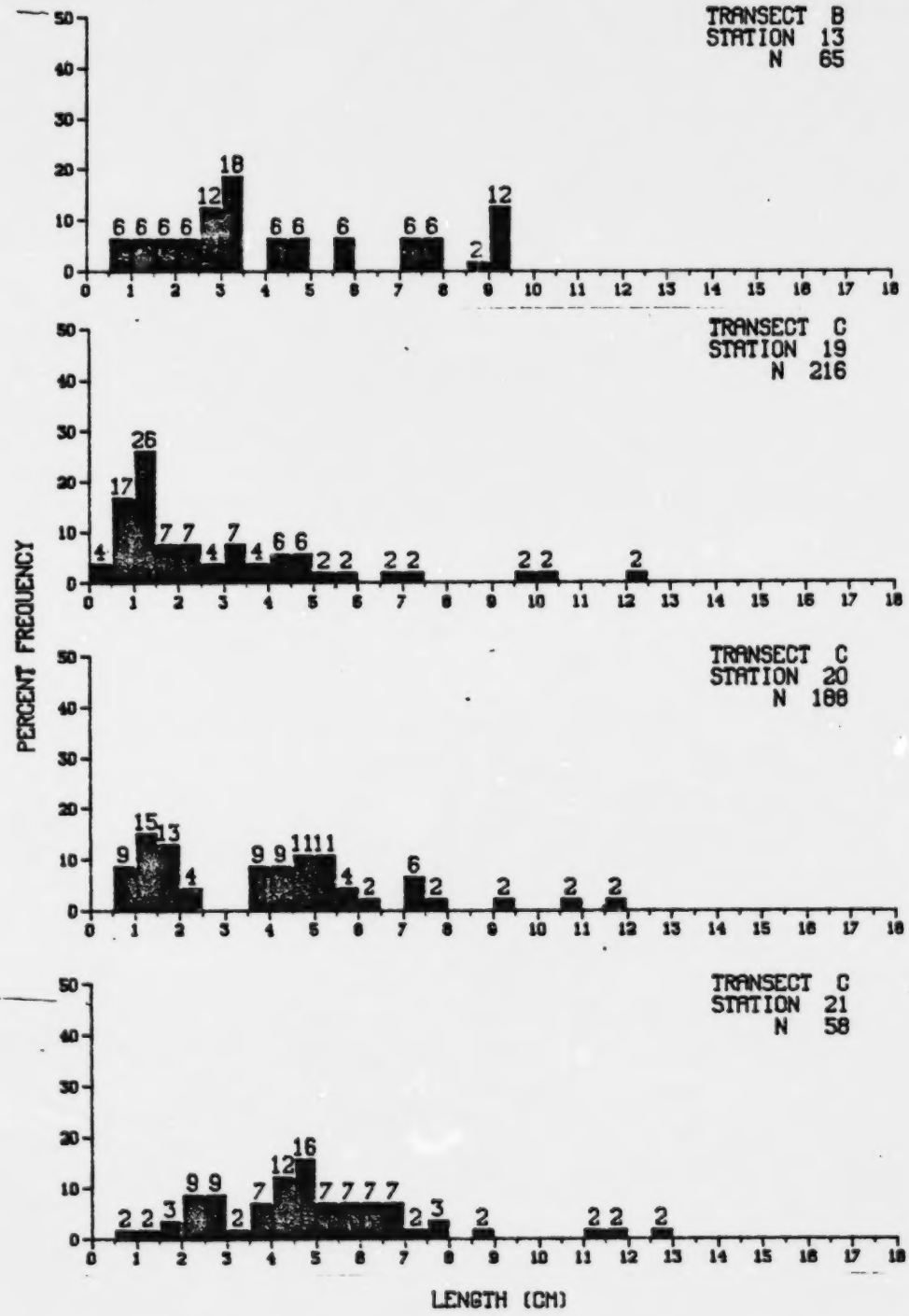


Figure 6. Size frequency distribution of oysters collected at each station in 1975: 1 yr olds <2.5 cm in length, 2 yr olds 2.6-4.5 cm, 3 yr olds 4.6-6.5 cm and 4,+ yr olds >6.5 cm.



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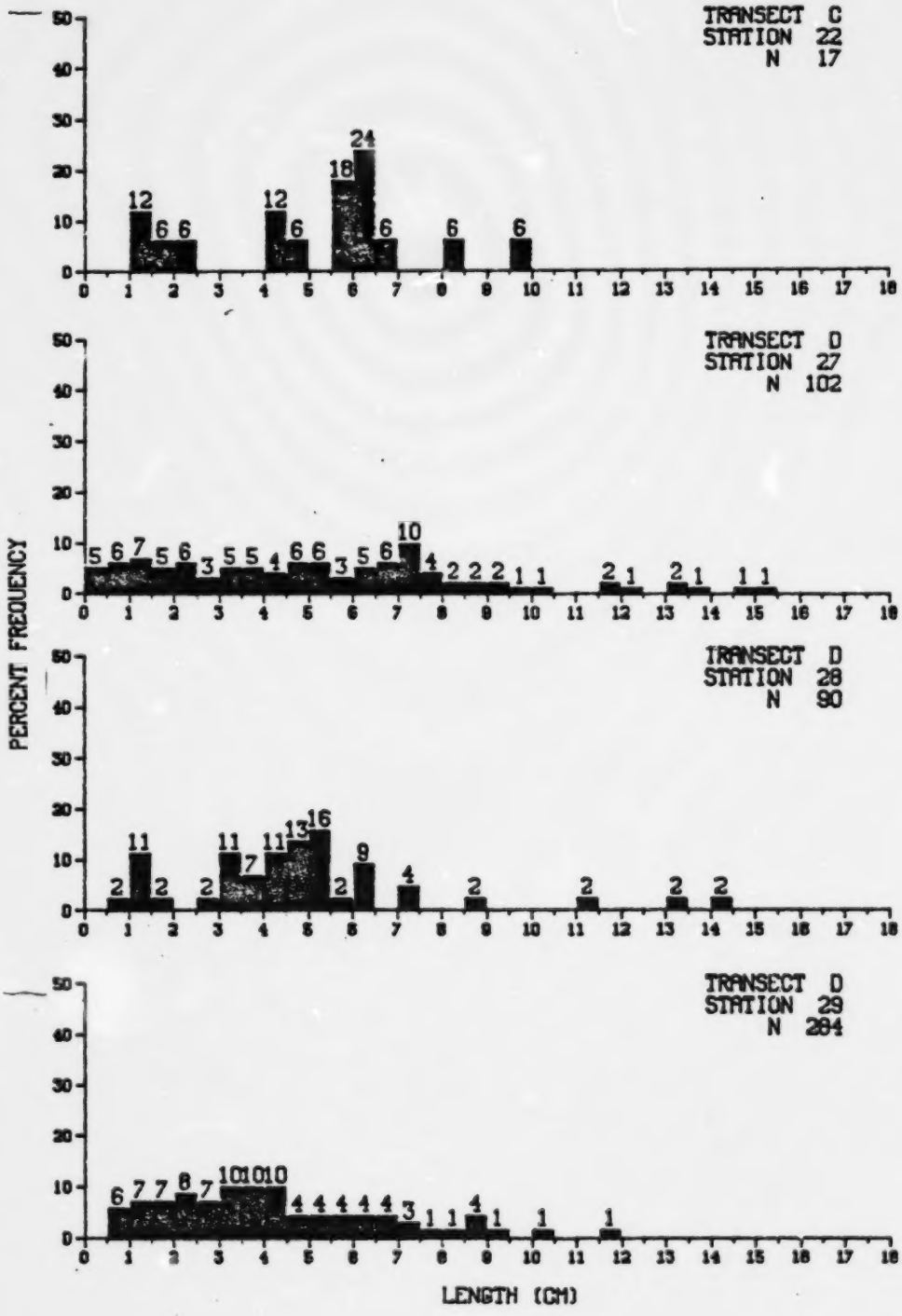

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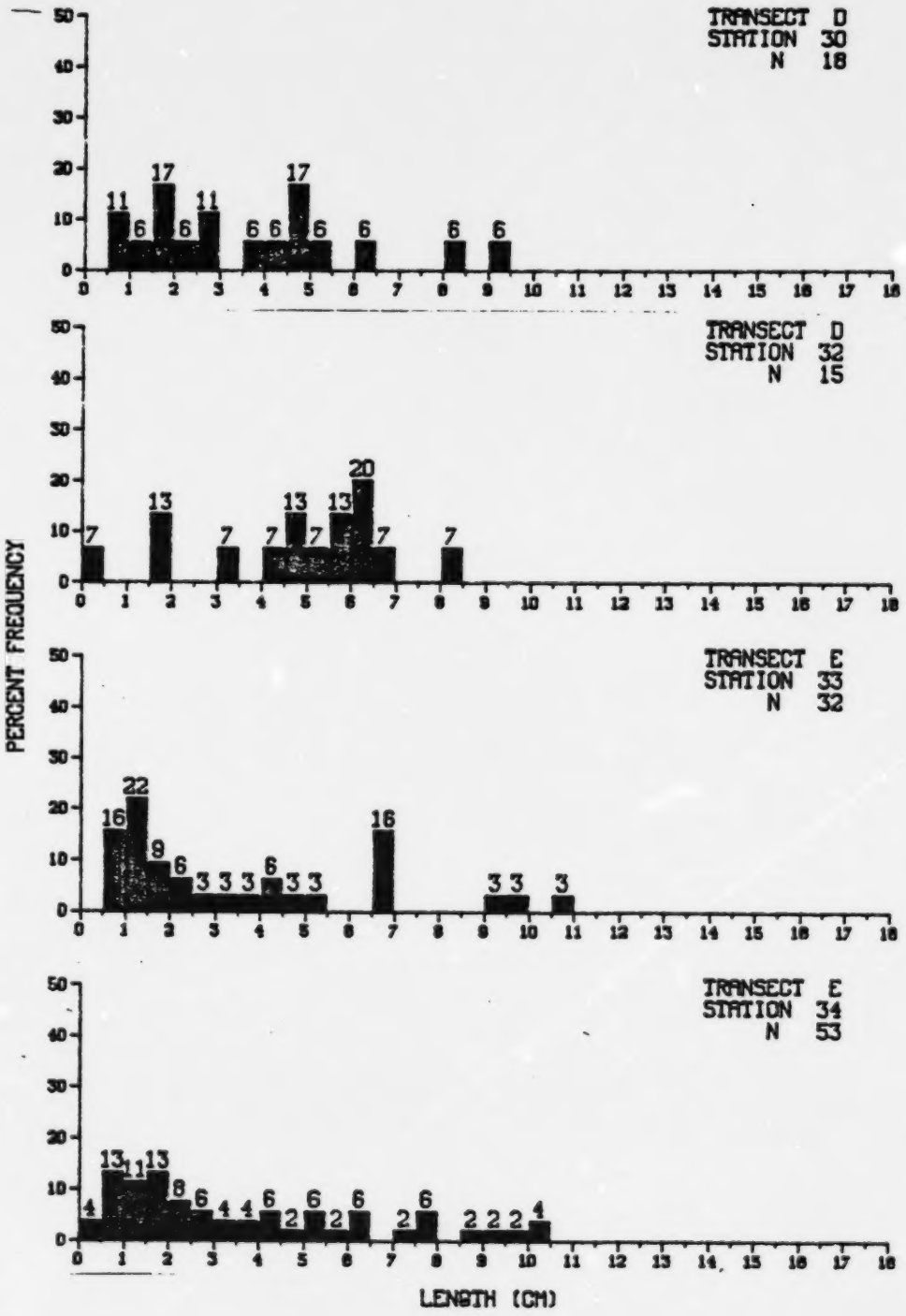

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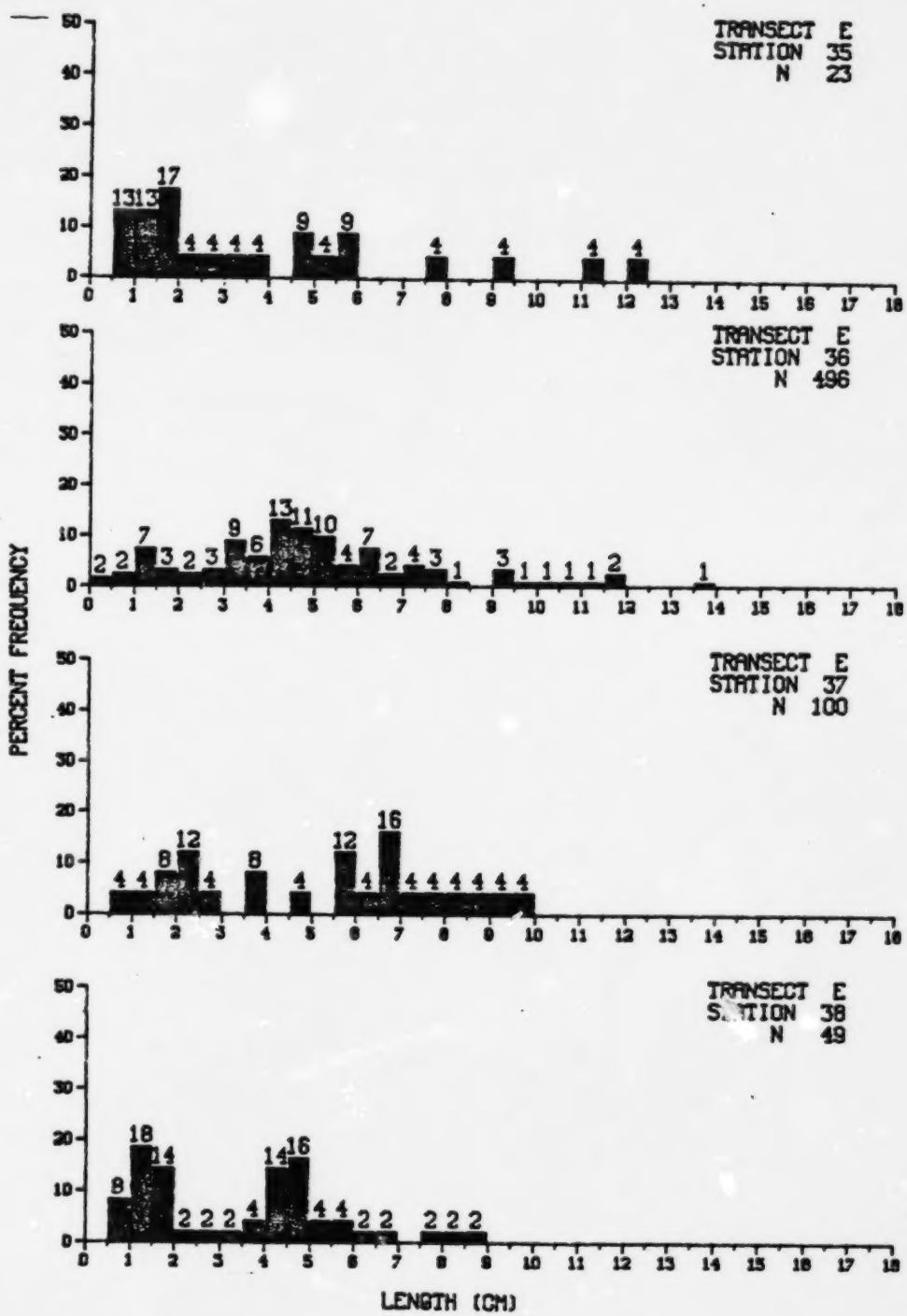

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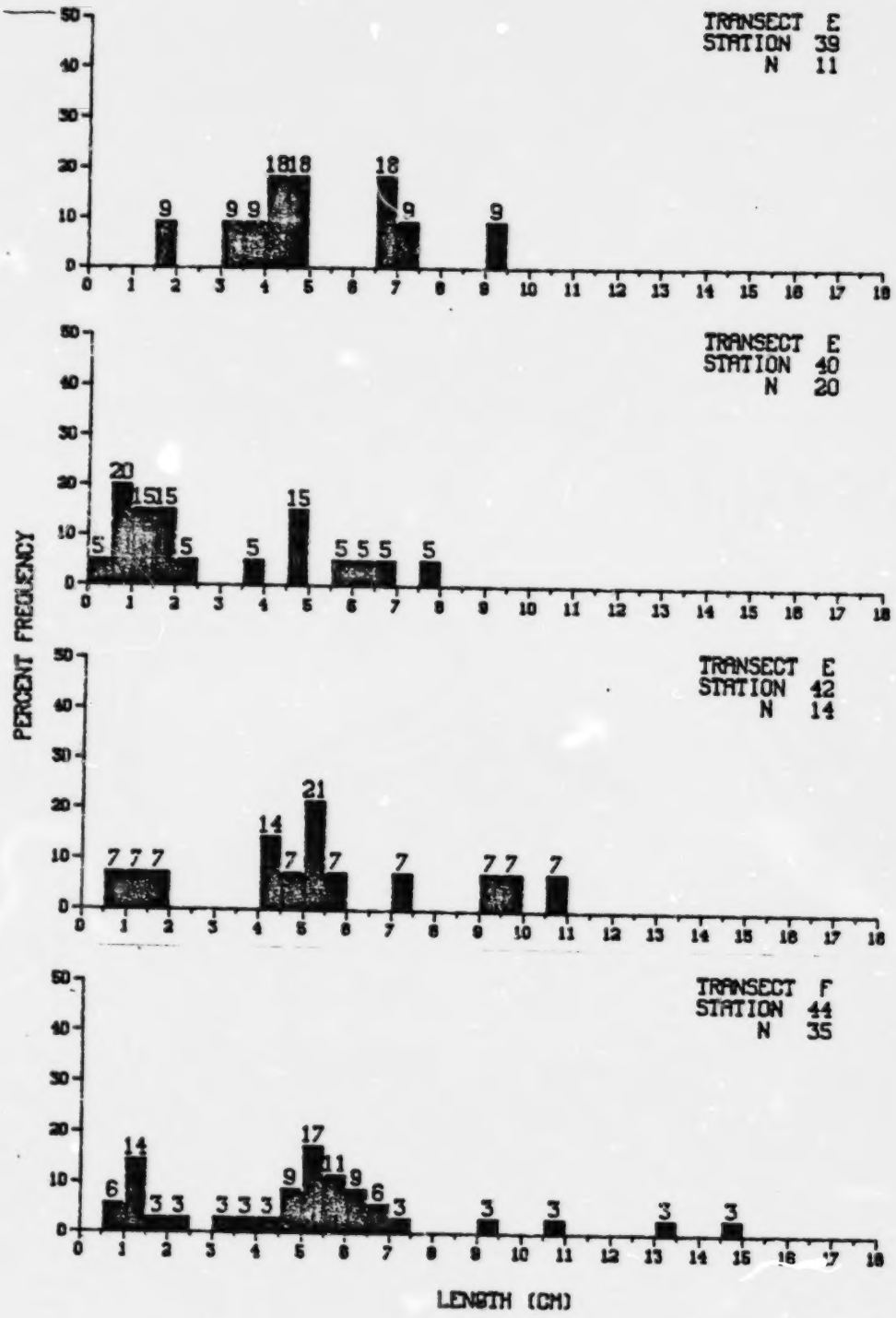

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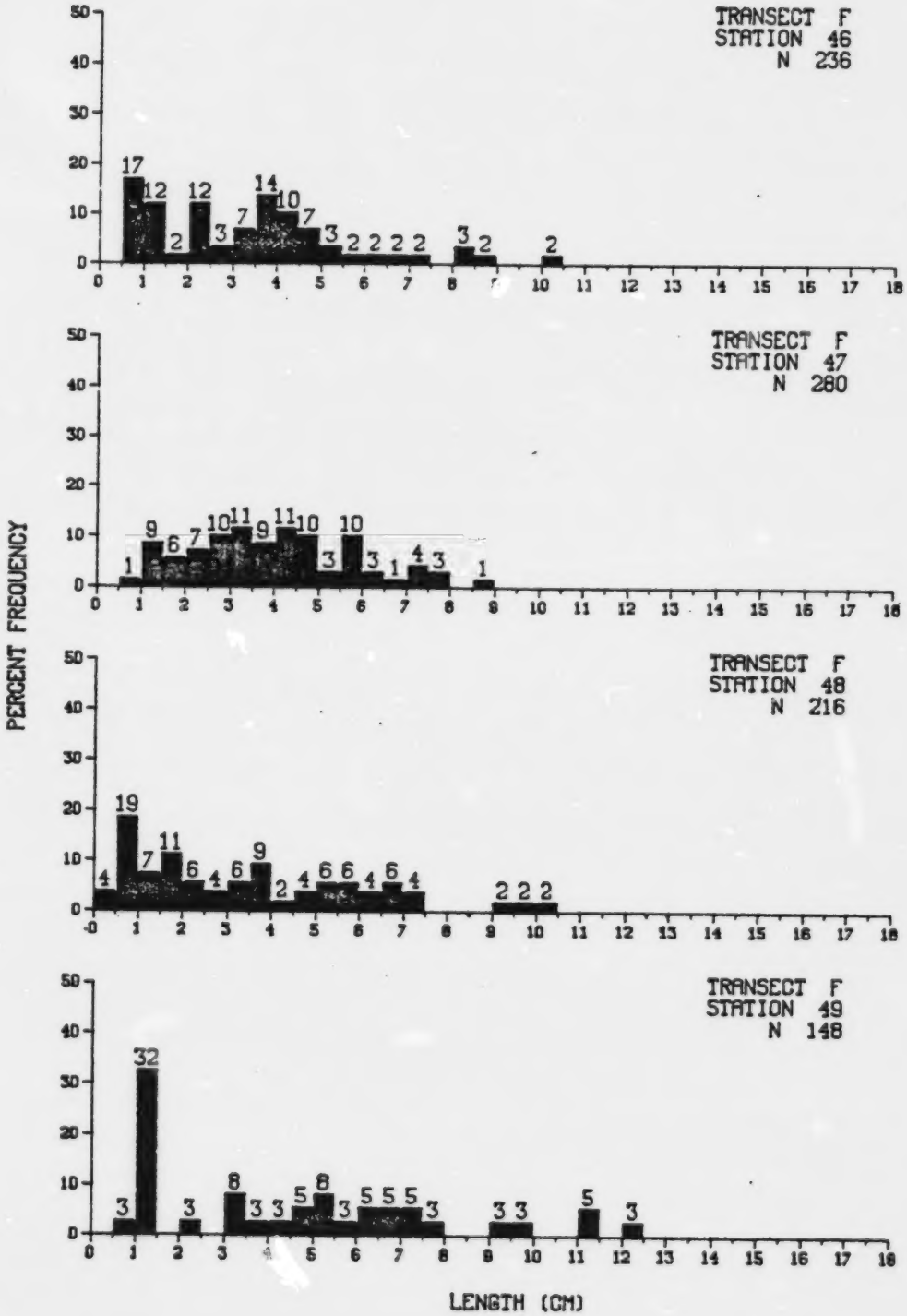

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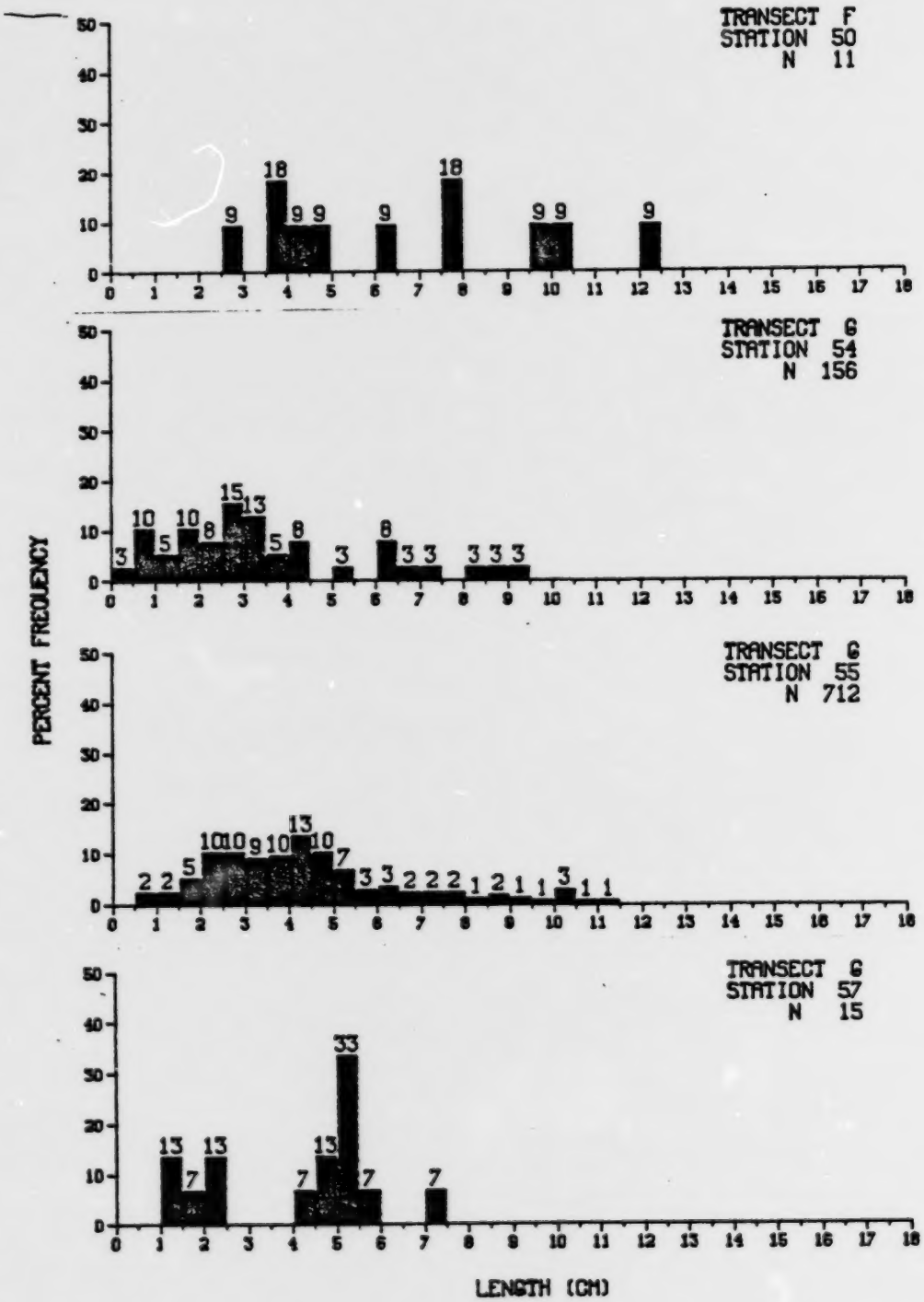

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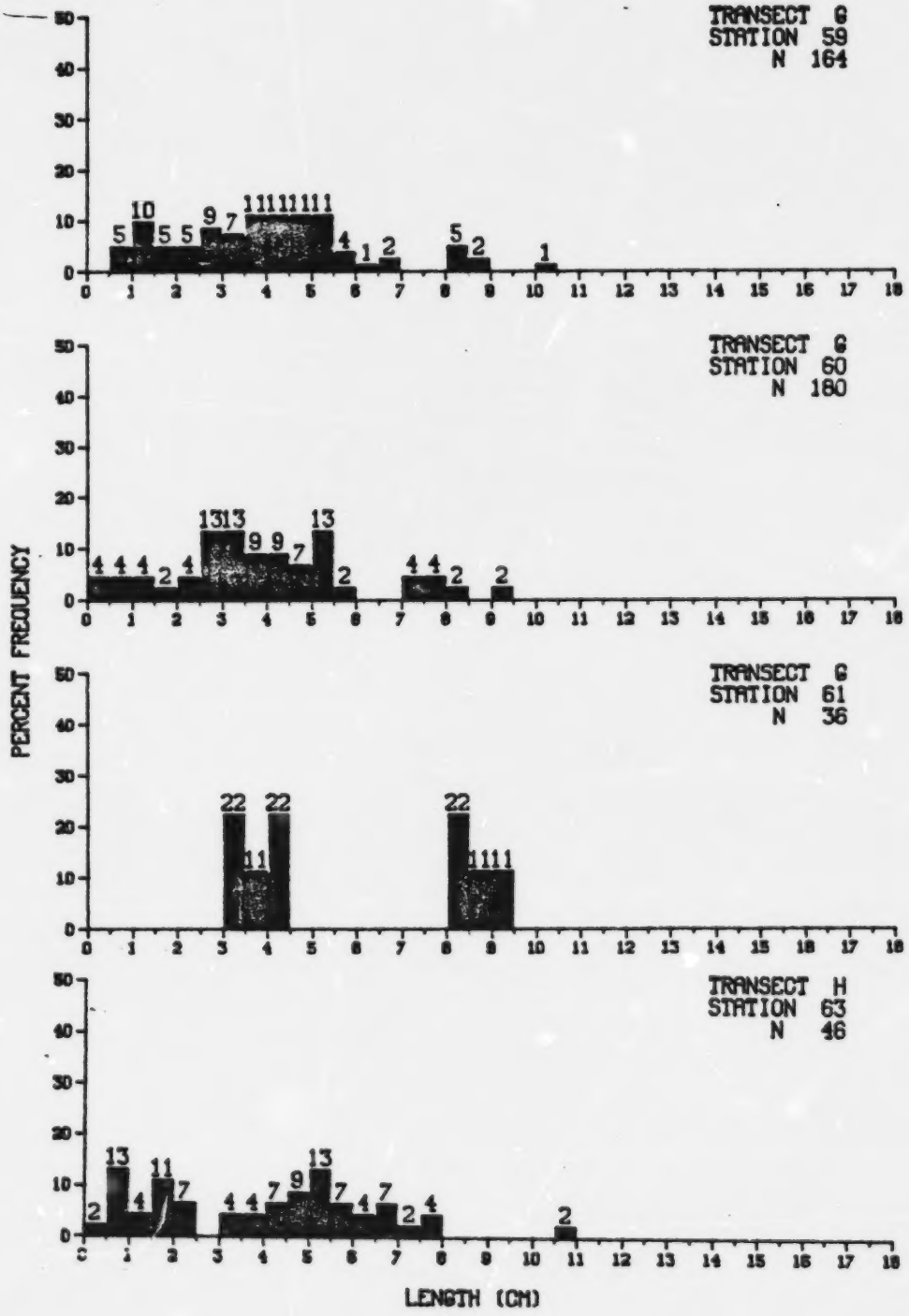

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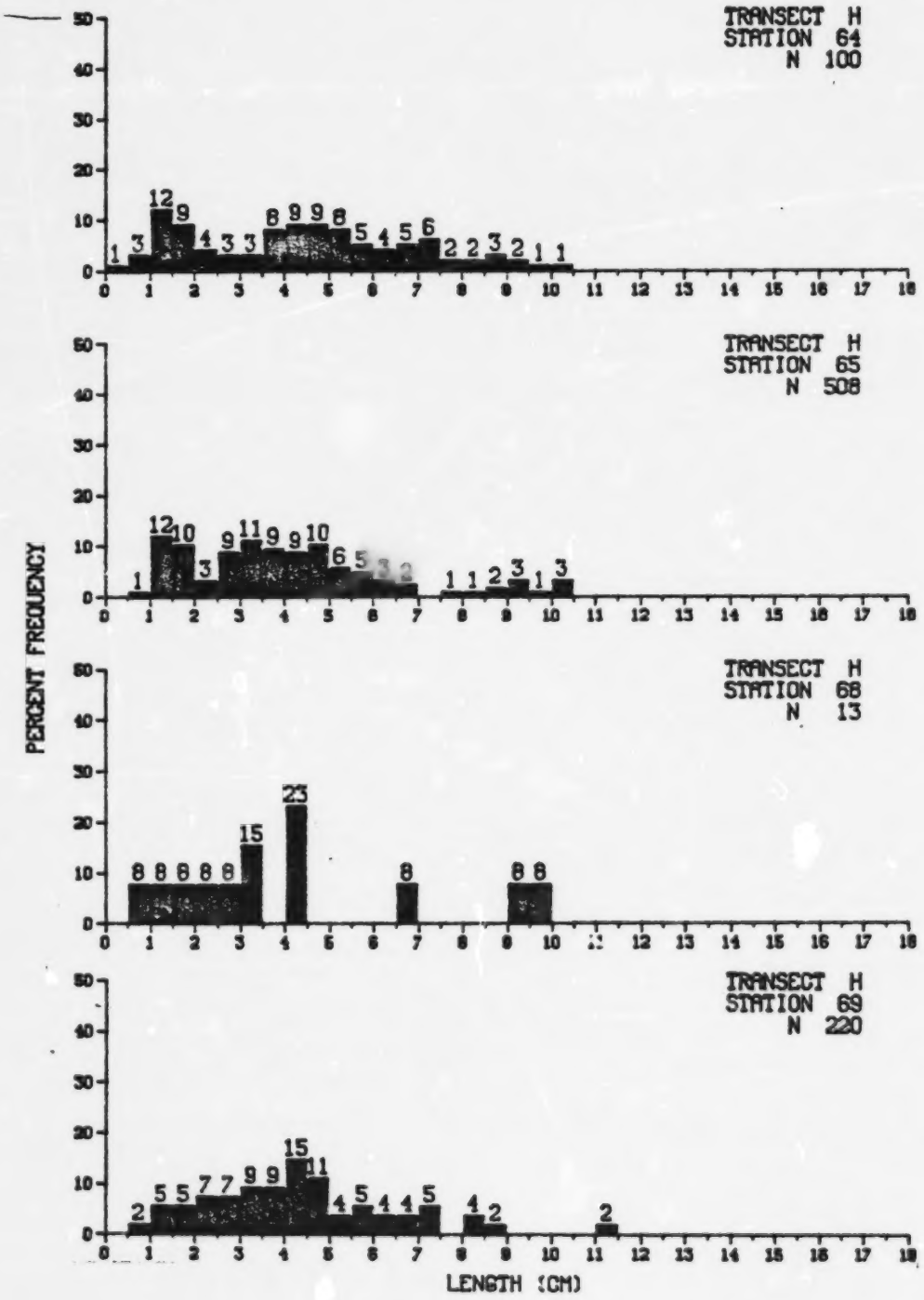

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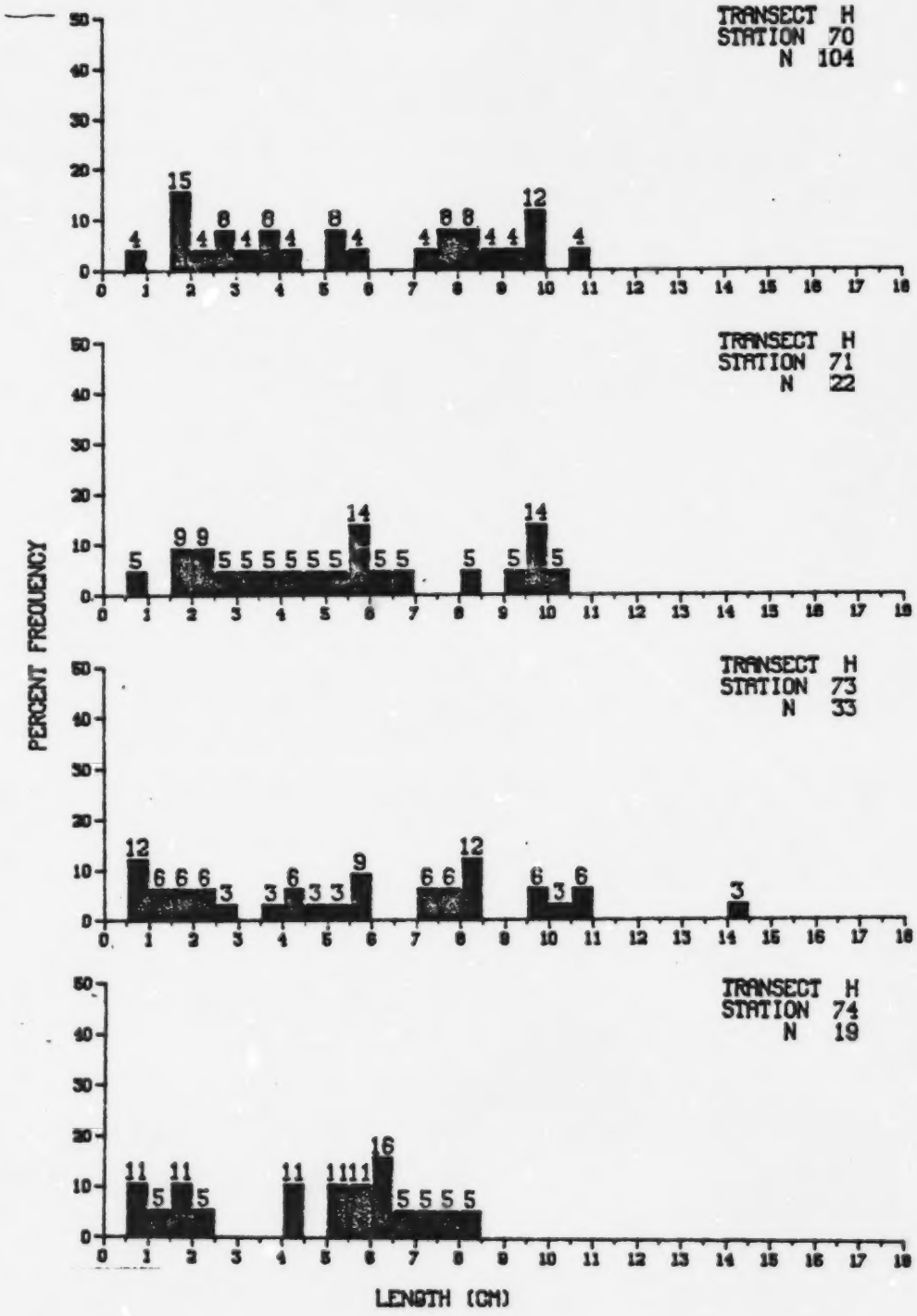

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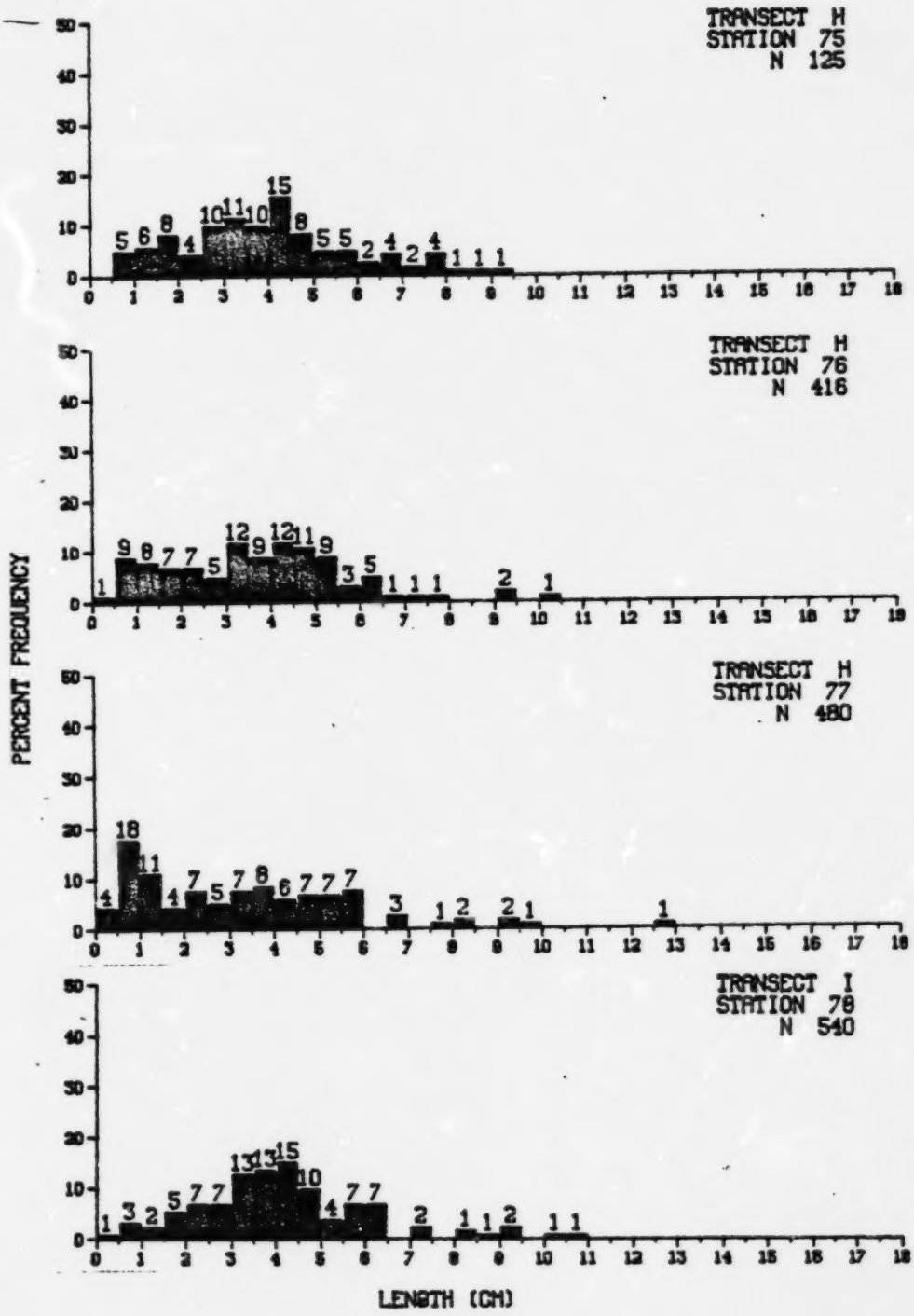

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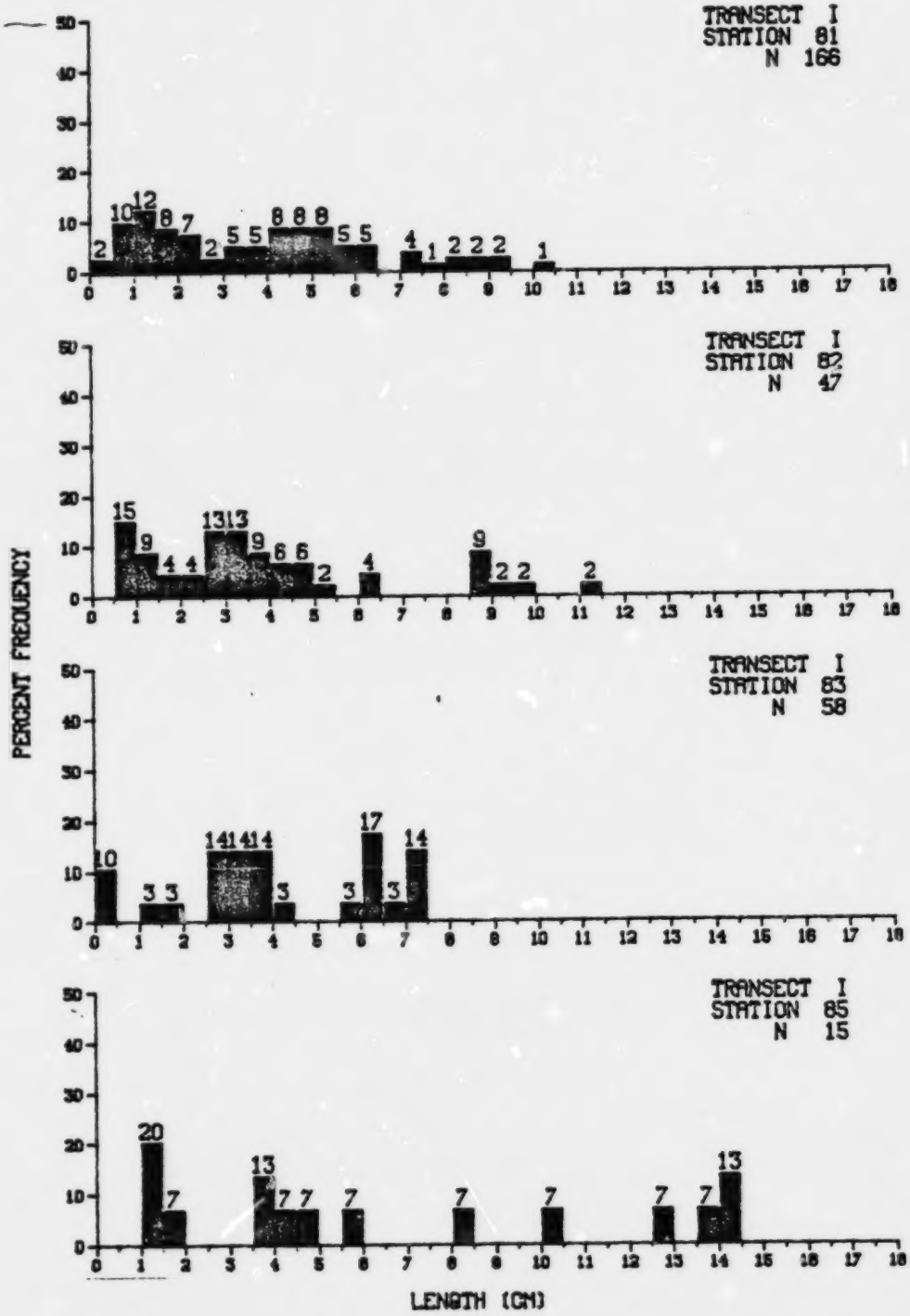

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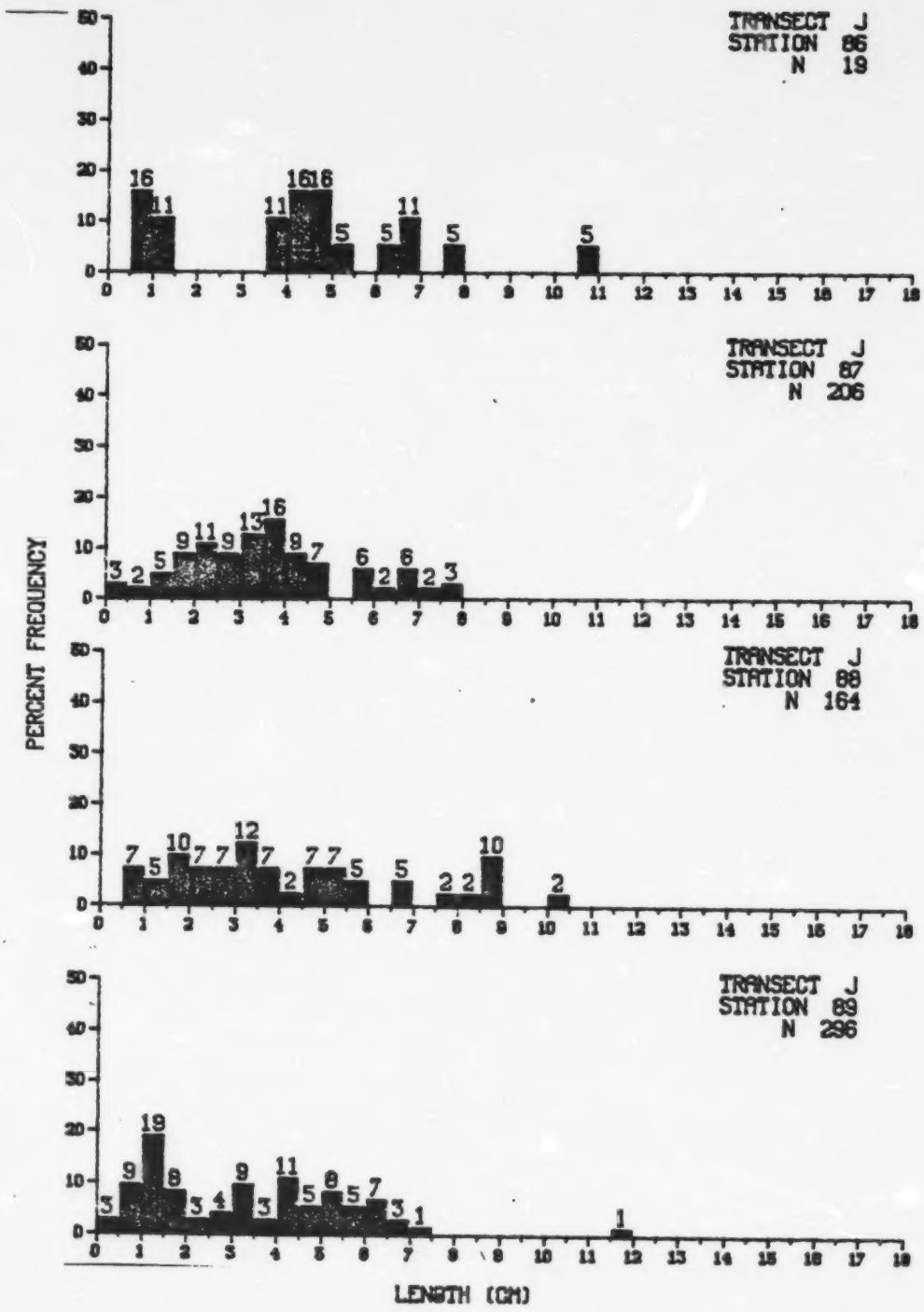

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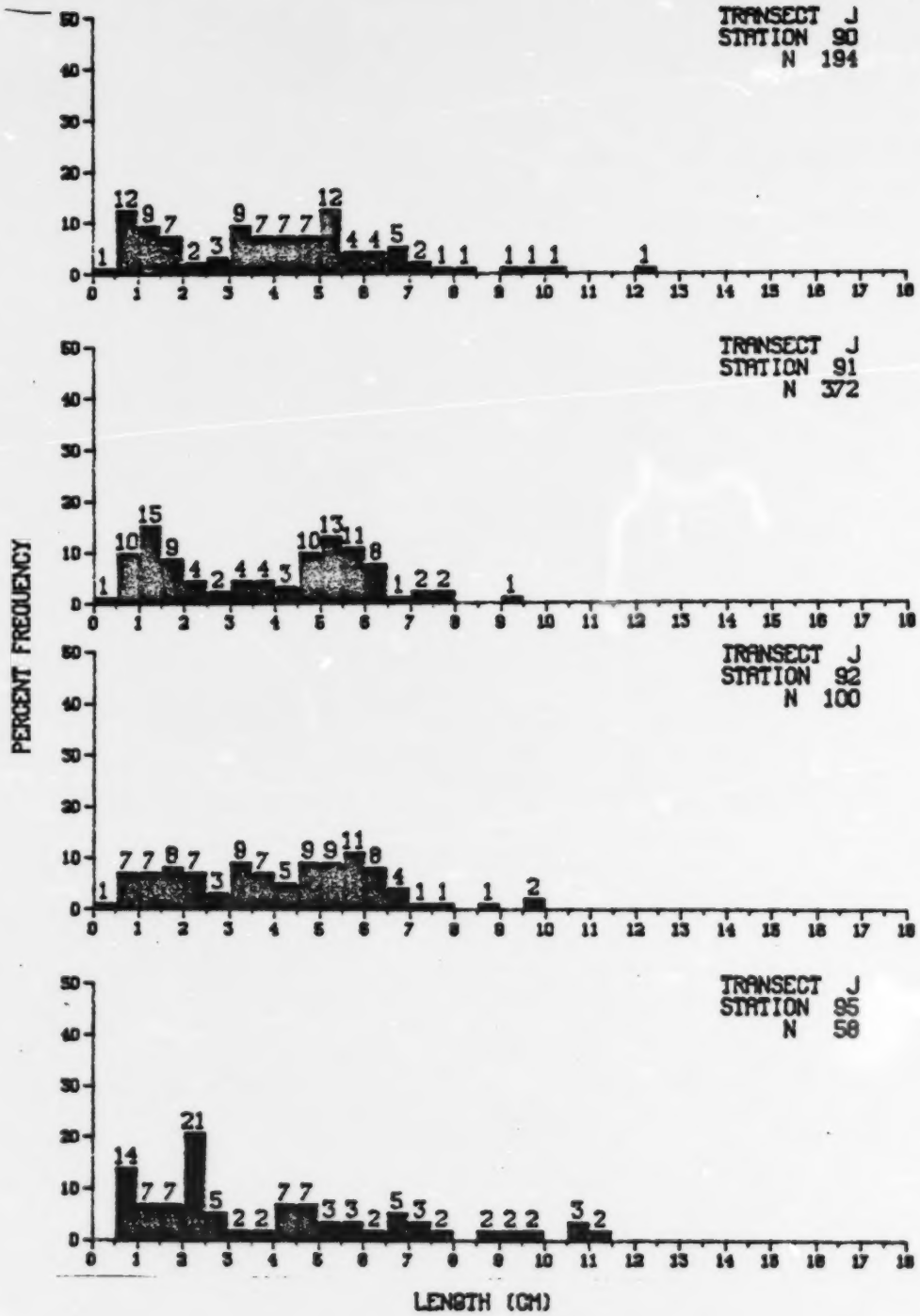

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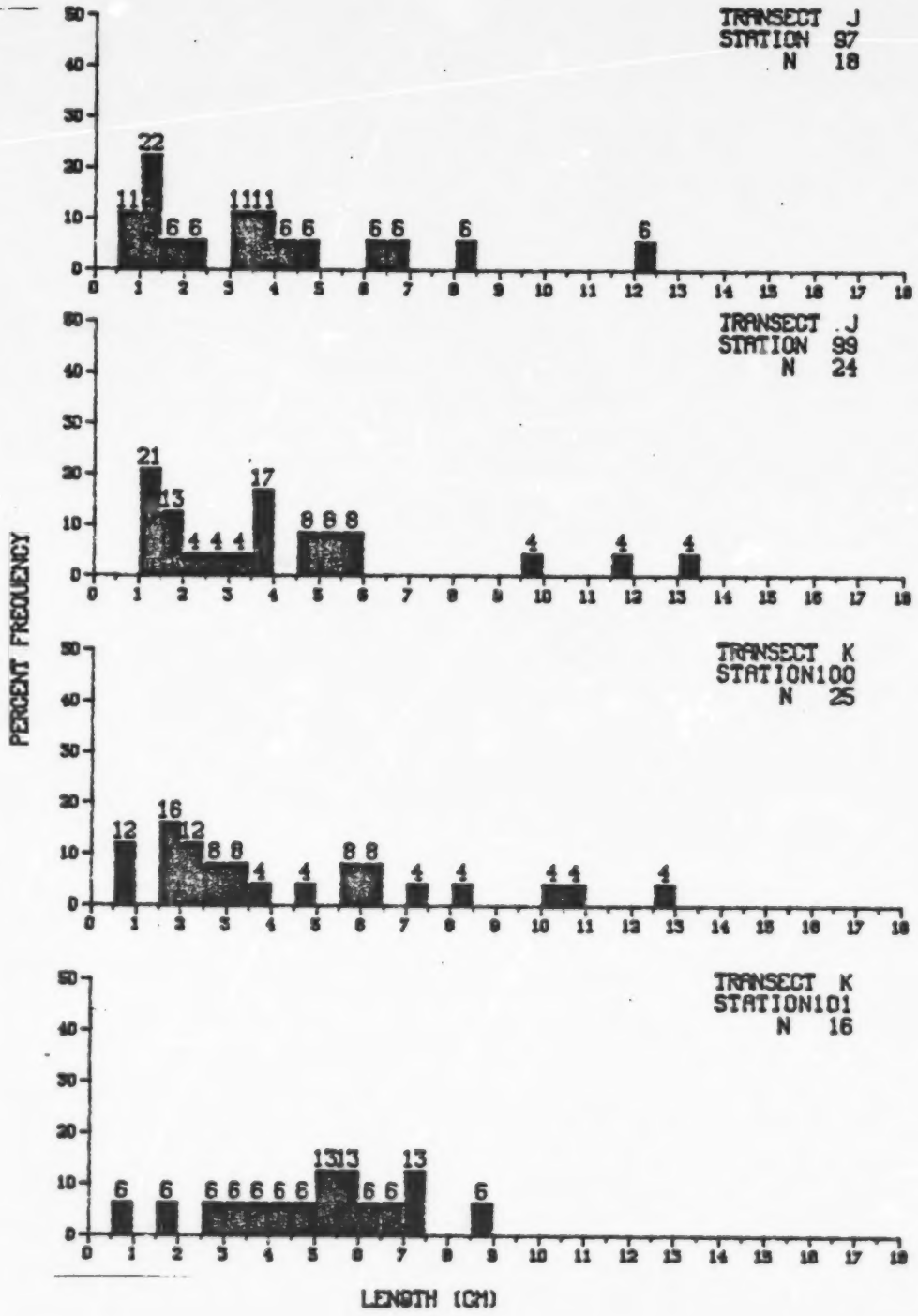

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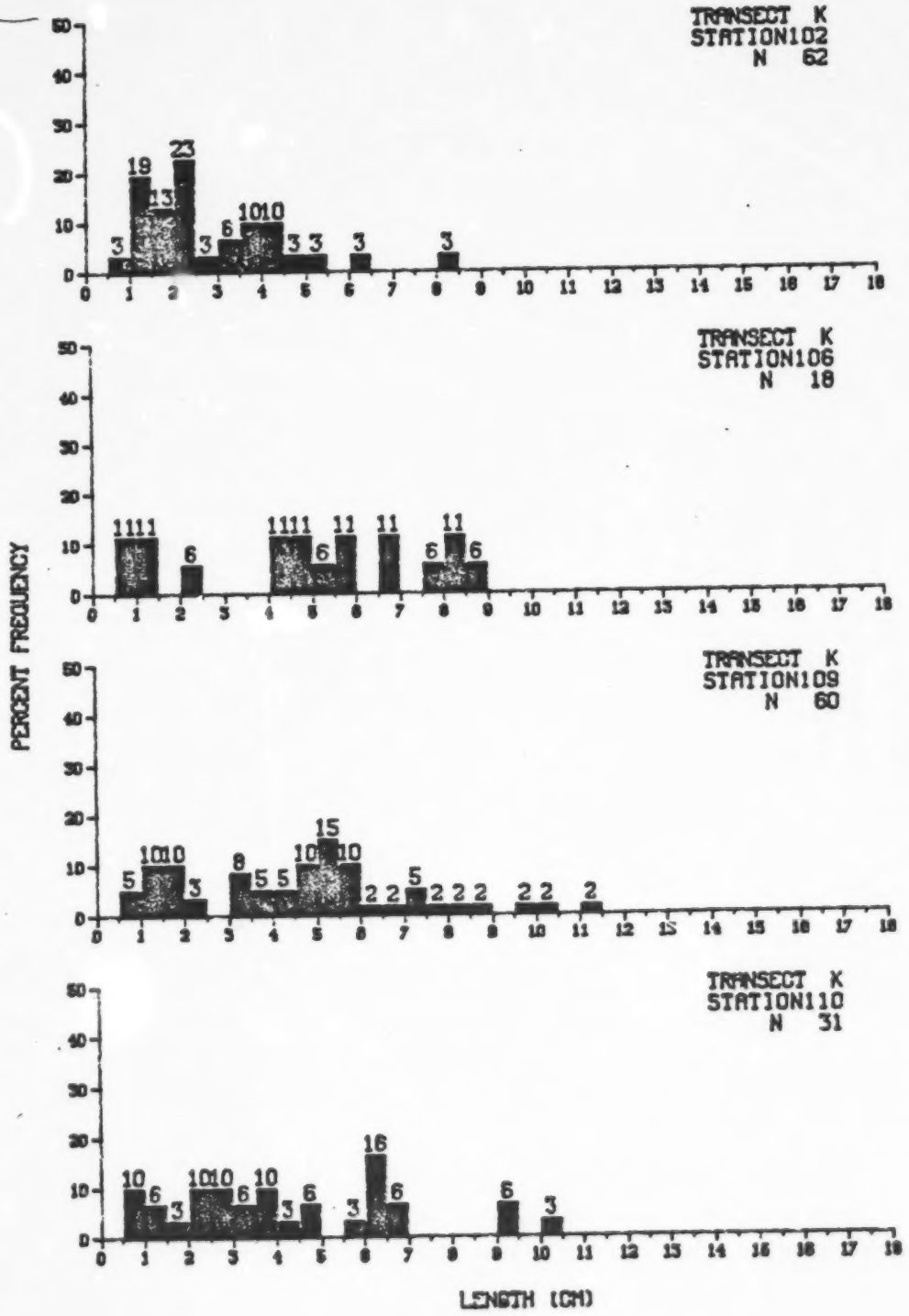

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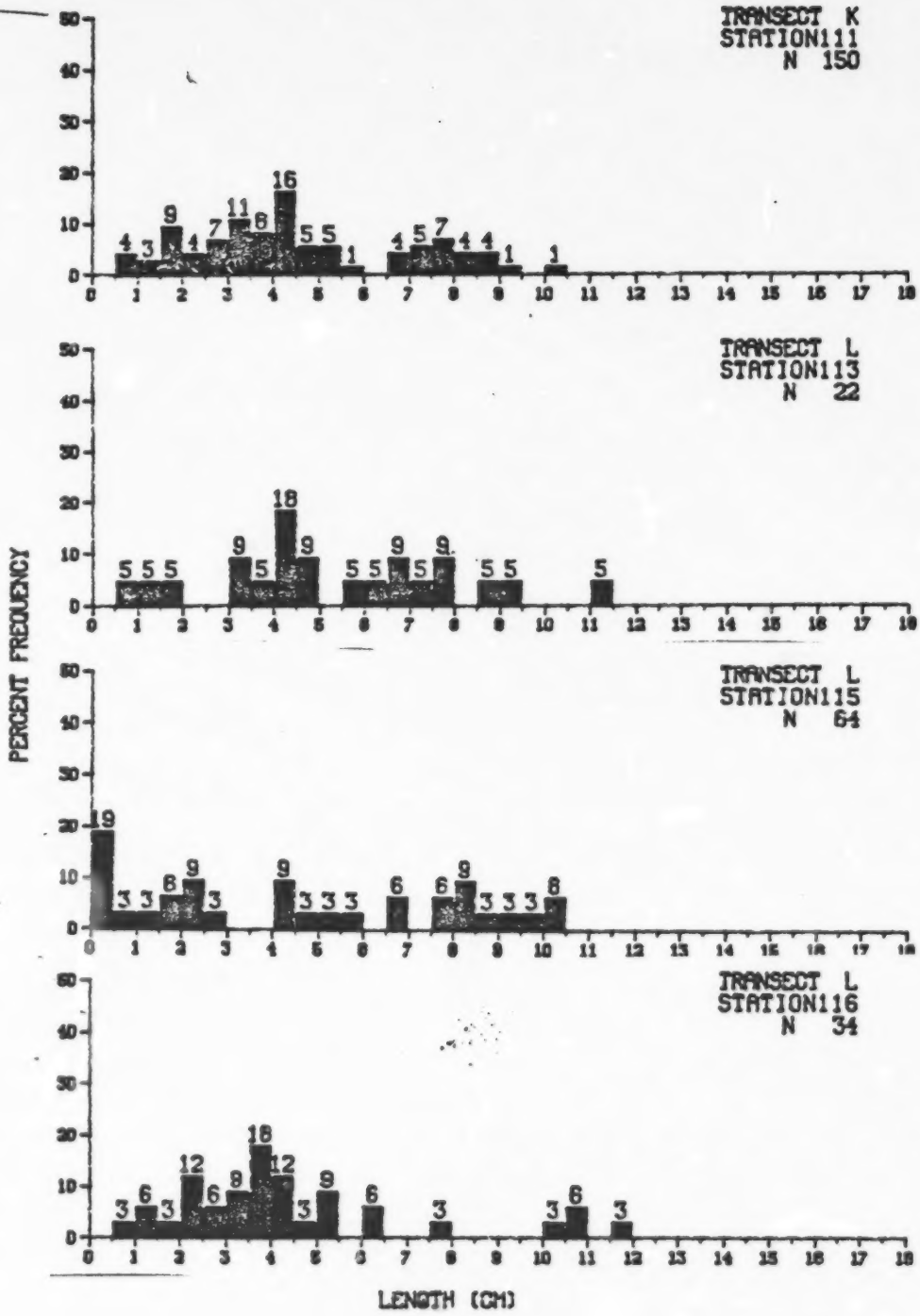

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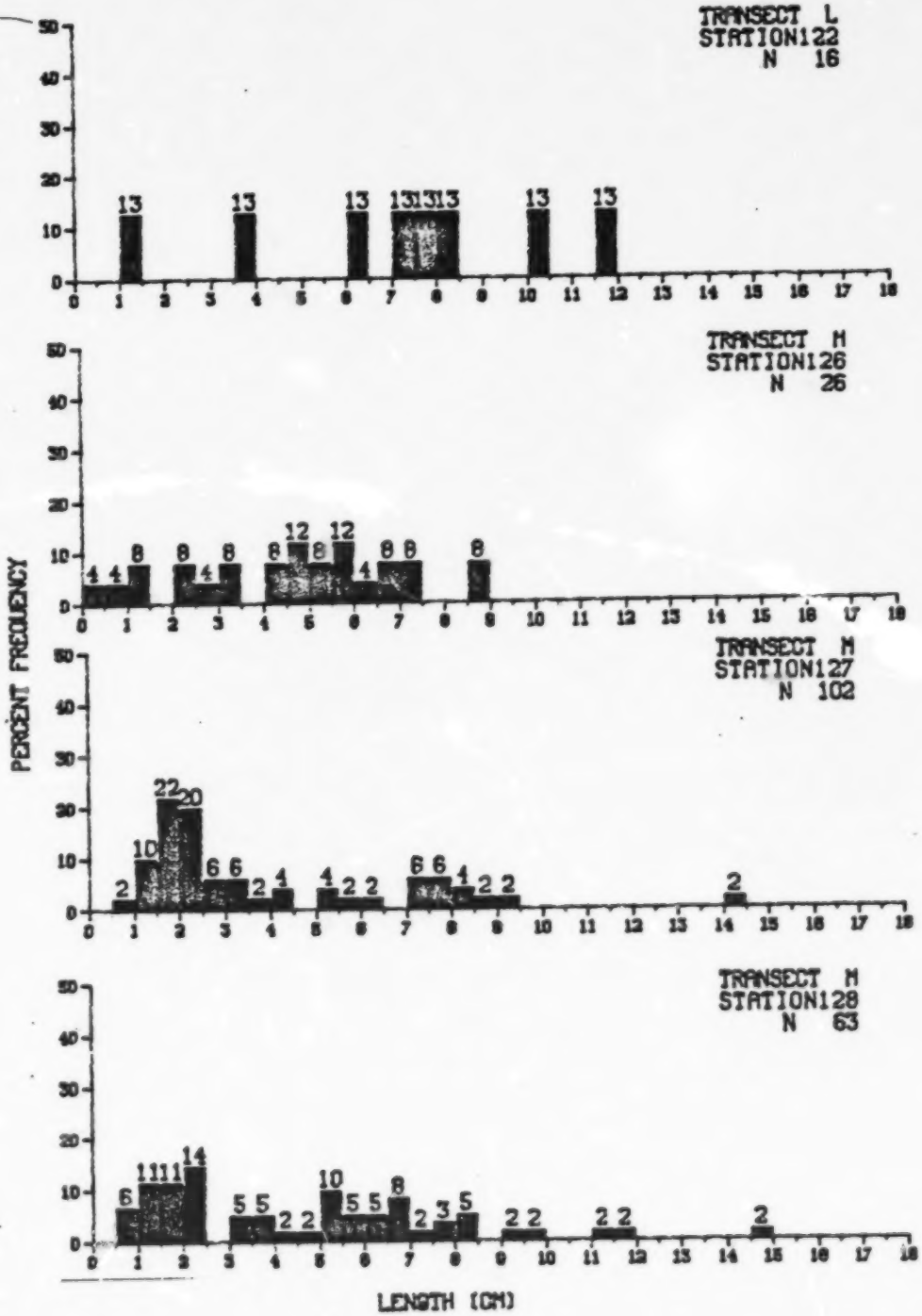

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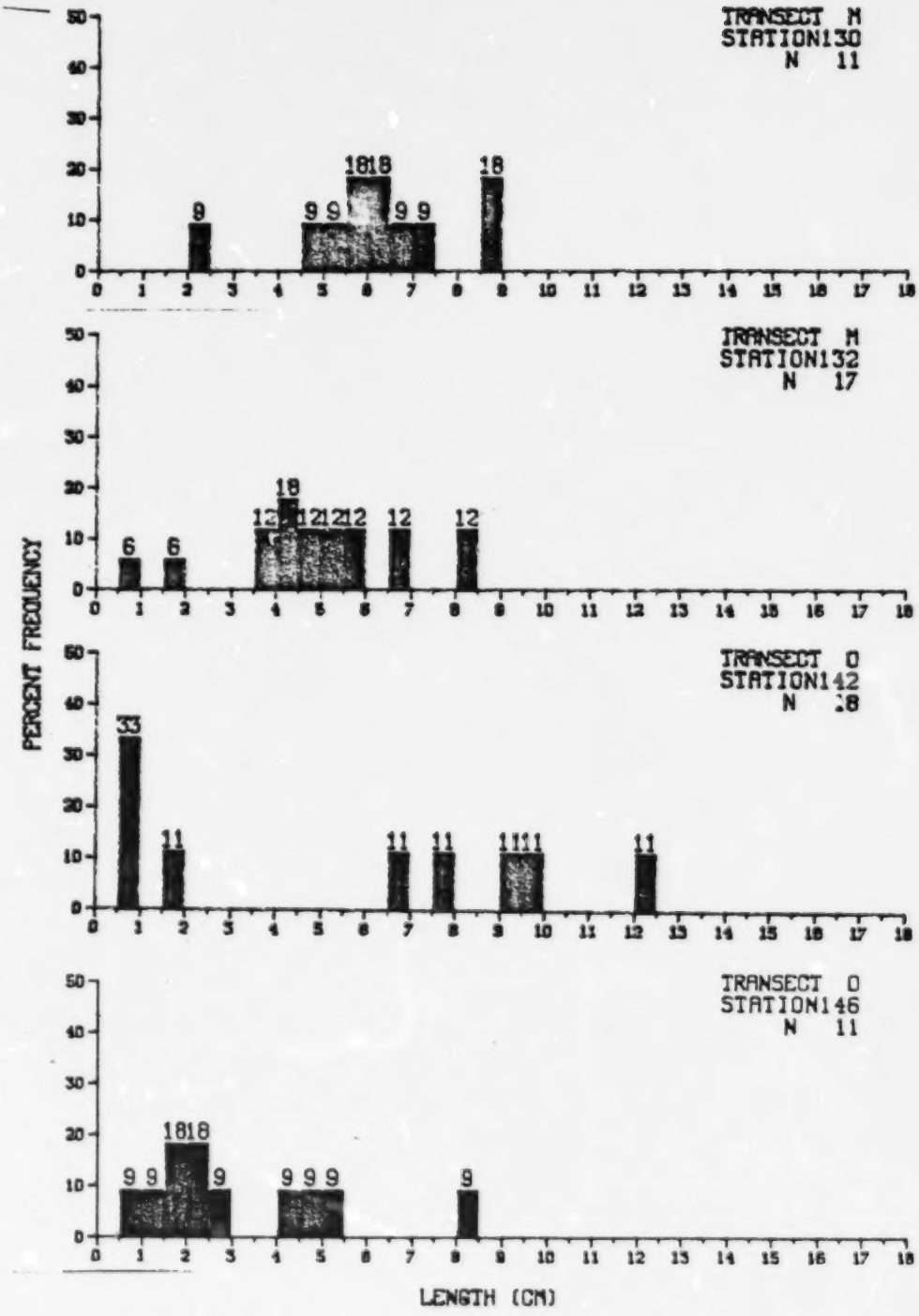

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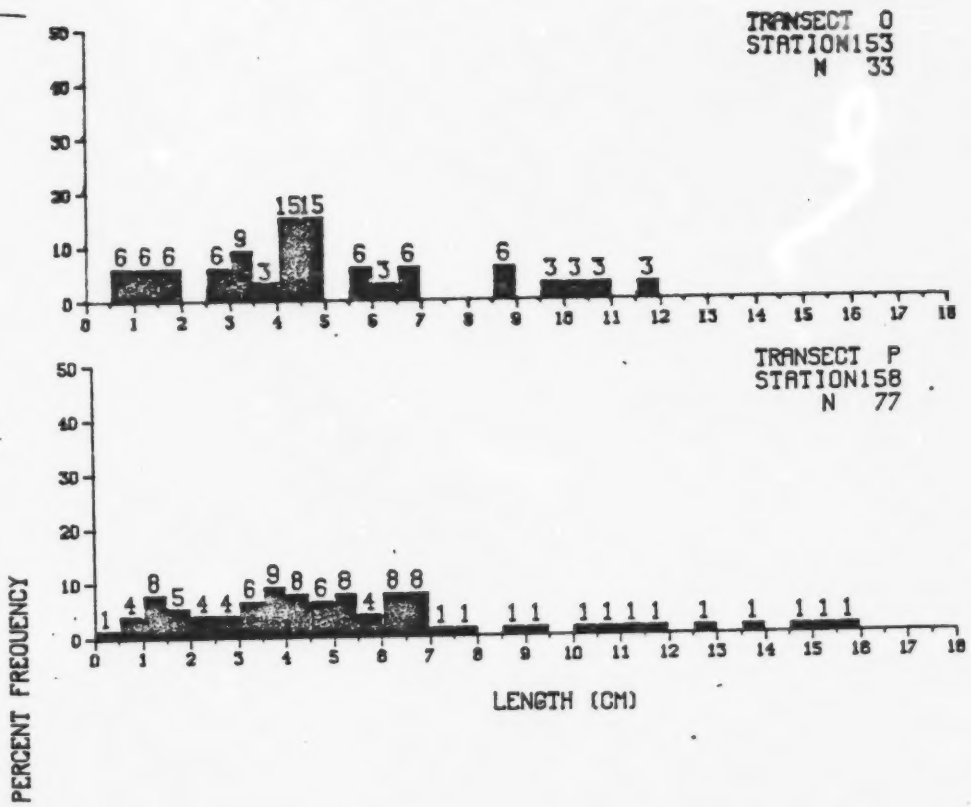

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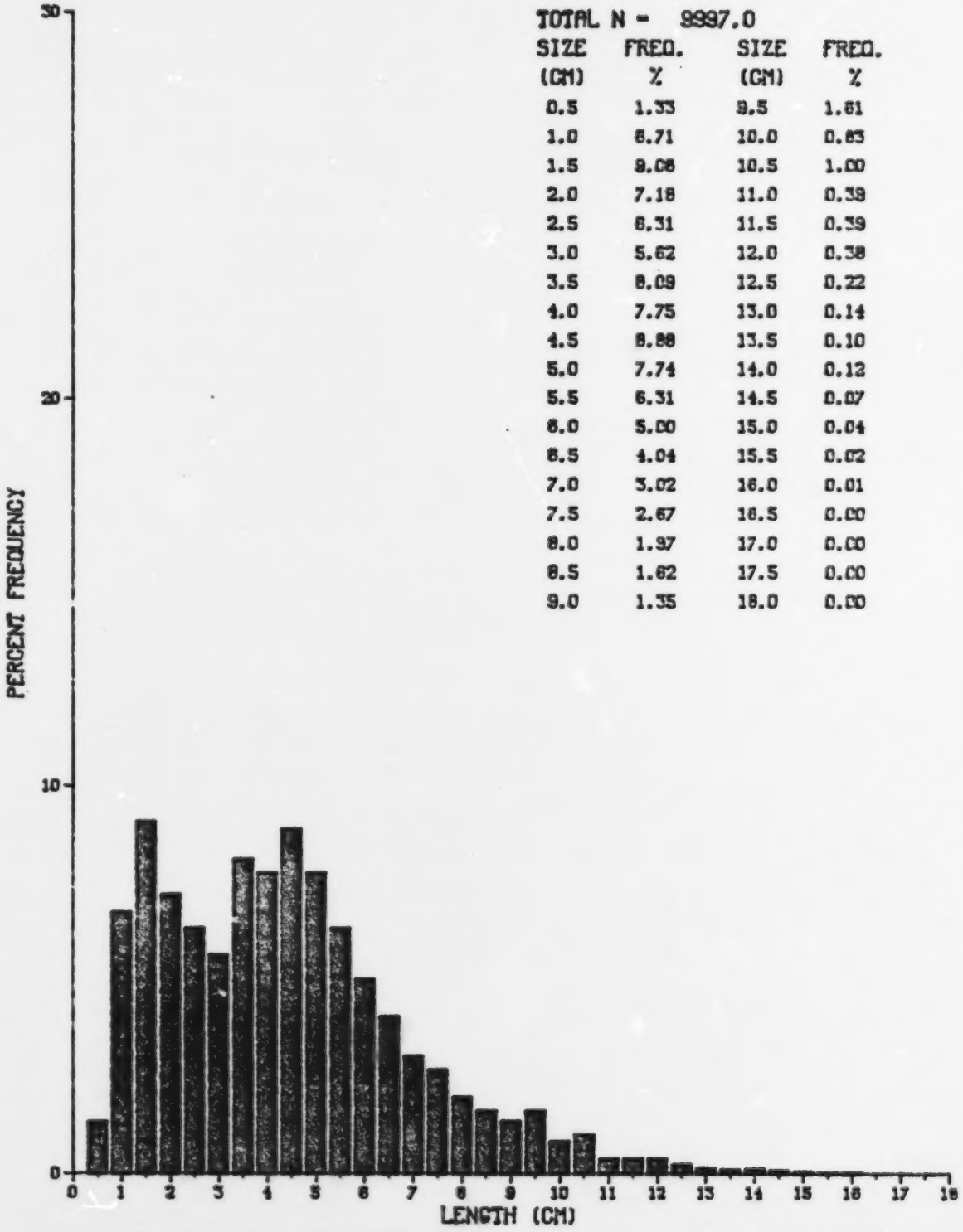

TOTAL N = 9997.0

SIZE (CM)	FREQ. %	SIZE (CM)	FREQ. %
0.5	1.33	9.5	1.61
1.0	6.71	10.0	0.83
1.5	9.08	10.5	1.00
2.0	7.18	11.0	0.39
2.5	6.31	11.5	0.39
3.0	5.62	12.0	0.38
3.5	8.09	12.5	0.22
4.0	7.75	13.0	0.14
4.5	8.88	13.5	0.10
5.0	7.74	14.0	0.12
5.5	6.31	14.5	0.07
6.0	5.00	15.0	0.04
6.5	4.04	15.5	0.02
7.0	3.02	16.0	0.01
7.5	2.67	16.5	0.00
8.0	1.97	17.0	0.00
8.5	1.62	17.5	0.00
9.0	1.35	18.0	0.00

Figure 7. Size frequency distribution of oysters collected over all stations in 1975: 1 yr olds <2.5 cm in length, 2 yr olds 2.6-4.5 cm, 3 yr olds 4.6-6.5 cm and 4,+ yr olds >6.5 cm.

Appendix. Composition, by weight, of material collected at each station.

Transect Line: A Station No.: 1

Wet Weight of Shell and Live Invertebrates:	0.18 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.17 kg
Wet Weight of Oysters:	0.01 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: A Station No.: 2

Wet Weight of Shell and Live Invertebrates:	0.38 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.29 kg
Wet Weight of Oysters:	0.09 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: A Station No.: 3

Wet Weight of Shell and Live Invertebrates:	14.41 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	10.33 kg
Wet Weight of Oysters:	1.86 kg
Wet Weight of Other Invertebrates: (mussels)	2.22 kg

Transect Line: A Station No.: 4

Wet Weight of Shell and Live Invertebrates:	5.20 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.61 kg
Wet Weight of Oysters:	2.57 kg
Wet Weight of Other Invertebrates: (mussels)	1.02 kg

Transect Line: A Station No.: 5 - No catch.

Transect Line: A Station No.: 6

Wet Weight of Shell and Live Invertebrates:	0 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.32 kg
Wet Weight of Oysters:	0.13 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: B Station No.: 7 - No catch.

...Cont'd.

Appendix. Cont'd.

Transect Line: B Station No.: 8

Wet Weight of Shell and Live Invertebrates:	2.03	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	1.21	kg
Wet Weight of Oysters:	0.78	kg
Wet Weight of Other Invertebrates: (mussels)	0.04	kg

Transect Line: B Station No.: 9

Wet Weight of Shell and Live Invertebrates:	0.57	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.57	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: B Station No.: 10 - No catch

Transect Line: B Station No.: 11

Wet Weight of Shell and Live Invertebrates:	0.25	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.18	kg
Wet Weight of Oysters:	0.07	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: B Station No.: 12

Wet Weight of Shell and Live Invertebrates:	1.02	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.78	kg
Wet Weight of Oysters:	0.21	kg
Wet Weight of Other Invertebrates: (mussels).....	0.03	kg

Transect Line: B Station No.: 13

Wet Weight of Shell and Live Invertebrates:	4.53	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	2.29	kg
Wet Weight of Oysters:	1.24	kg
Wet Weight of Other Invertebrates:	0	kg

...Cont'd.

Appendix. Cont'd.

Transect Line: B Station No.: 14

Wet Weight of Shell and Live Invertebrates:	0.42	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.35	kg
Wet Weight of Oysters:	0.07	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: B Station No.: 15

Wet Weight of Shell and Live Invertebrates:	0.22	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.22	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: C Station No.: 16 - No catch.

Transect Line: C Station No.: 17

Wet Weight of Shell and Live Invertebrates:	0.06	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.06	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: C Station No.: 18

Wet Weight of Shell and Live Invertebrates:	1.15	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	1.04	kg
Wet Weight of Oysters:	0.11	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: C Station No.: 19

Wet Weight of Shell and Live Invertebrates:	7.15	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	3.99	kg
Wet Weight of Oysters:	1.24	kg
Wet Weight of Other Invertebrates:	1.92	kg

...Cont'd.

Appendix. Cont'd.

Transect Line: C Station No.: 20

Wet Weight of Shell and Live Invertebrates:	1.76 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.06 kg
Wet Weight of Oysters:	0.70 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: C Station No.: 21

Wet Weight of Shell and Live Invertebrates:	1.79 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.04 kg
Wet Weight of Oysters:	0.71 kg
Wet Weight of Other Invertebrates: (mussels)	0.05 kg

Transect Line: C Station No.: 22

Wet Weight of Shell and Live Invertebrates:	1.37 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.13 kg
Wet Weight of Oysters:	0.21 kg
Wet Weight of Other Invertebrates: (mussels)	0.03 kg

Transect Line: C Station No.: 23

Wet Weight of Shell and Live Invertebrates:	3.08 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	3.04 kg
Wet Weight of Oysters:	0.04 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: C Station No.: 24

Wet Weight of Shell and Live Invertebrates:	0.22 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.16 kg
Wet Weight of Oysters:	0.06 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: D Station No.: 25

Wet Weight of Shell and Live Invertebrates:	0.67 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.58 kg
Wet Weight of Oysters:	0.09 kg
Wet Weight of Other Invertebrates:	0 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: D Station No.: 26

Wet Weight of Shell and Live Invertebrates:	0.33 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.33 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: D Station No.: 27

Wet Weight of Shell and Live Invertebrates:	1.89 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.62 kg
Wet Weight of Oysters:	1.25 kg
Wet Weight of Other Invertebrates: (mussels)	0.02 kg

Transect Line: D Station No.: 28

Wet Weight of Shell and Live Invertebrates:	11.98 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	10.45 kg
Wet Weight of Oysters:	1.60 kg
Wet Weight of Other Invertebrates:	0.53 kg

Transect Line: D Station No.: 29

Wet Weight of Shell and Live Invertebrates:	12.10 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	11.10 kg
Wet Weight of Oysters:	3.80 kg
Wet Weight of Other Invertebrates: (mussels)	0.20 kg

Transect Line: D Station No.: 30

Wet Weight of Shell and Live Invertebrates:	0.99 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.77 kg
Wet Weight of Oysters:	0.22 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: D Station No.: 31

Wet Weight of Shell and Live Invertebrates:	2.07 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.93 kg
Wet Weight of Oysters:	0.05 kg
Wet Weight of Other Invertebrates: (mussels)	0.09 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: D Station No.: 32

Wet Weight of Shell and Live Invertebrates:	2.16 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.90 kg
Wet Weight of Oysters:	0.23 kg
Wet Weight of Other Invertebrates: (mussels)	0.03 kg

Transect Line: E Station No.: 33

Wet Weight of Shell and Live Invertebrates:	1.39 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.85 kg
Wet Weight of Oysters:	0.54 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: E Station No.: 34

Wet Weight of Shell and Live Invertebrates:	0.78 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.78 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: E Station No.: 35

Wet Weight of Shell and Live Invertebrates:	0.51 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.27 kg
Wet Weight of Oysters:	0.24 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: E Station No.: 36

Wet Weight of Shell and Live Invertebrates:	13.97 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	4.24 kg
Wet Weight of Oysters:	6.26 kg
Wet Weight of Other Invertebrates: (mussels)	2.47 kg

Transect Line: E Station No.: 37

Wet Weight of Shell and Live Invertebrates:	3.13 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.91 kg
Wet Weight of Oysters:	1.83 kg
Wet Weight of Other Invertebrates: (mussels).....	0.39 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: E Station No.: 38

Wet Weight of Shell and Live Invertebrates:	1.51 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.99 kg
Wet Weight of Oysters:	0.44 kg
Wet Weight of Other Invertebrates: (mussels).....	0.08 kg

Transect Line: E Station No.: 39

Wet Weight of Shell and Live Invertebrates:	1.90 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.56 kg
Wet Weight of Oysters:	0.27 kg
Wet Weight of Other Invertebrates: (mussels).....	0.07 kg

Transect Line: E Station No.: 40

Wet Weight of Shell and Live Invertebrates:	1.68 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.52 kg
Wet Weight of Oysters:	0.16 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: E Station No.: 41

Wet Weight of Shell and Live Invertebrates:	0.14 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.14 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: E Station No.: 42

Wet Weight of Shell and Live Invertebrates:	0.62 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.29 kg
Wet Weight of Oysters:	0.33 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: F Station No.: 43

Wet Weight of Shell and Live Invertebrates:	0.20 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.20 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: F Station No.: 44

Wet Weight of Shell and Live Invertebrates:	0.67	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.12	kg
Wet Weight of Oysters:	0.55	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: F Station No.: 45 - No catch.

Transect Line: F Station No.: 46

Wet Weight of Shell and Live Invertebrates:	4.67	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	2.54	kg
Wet Weight of Oysters:	1.72	kg
Wet Weight of Other Invertebrates: (mussels).....	0.41	kg

Transect Line: F Station No.: 47

Wet Weight of Shell and Live Invertebrates:	11.35	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	8.14	kg
Wet Weight of Oysters:	2.58	kg
Wet Weight of Other Invertebrates: (mussels).....	0.63	kg

Transect Line: F Station No.: 48

Wet Weight of Shell and Live Invertebrates:	7.36	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	4.92	kg
Wet Weight of Oysters:	2.44	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: F Station No.: 49

Wet Weight of Shell and Live Invertebrates:	5.25	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	2.87	kg
Wet Weight of Oysters:	2.38	kg
Wet Weight of Other Invertebrates:	0	kg

...Cont'd.

Appendix. Cont'd.

Transect Line: F Station No.: 50

Wet Weight of Shell and Live Invertebrates:	0.64	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.24	kg
Wet Weight of Oysters:	0.40	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: F Station No.: 51

Wet Weight of Shell and Live Invertebrates:	0.57	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.45	kg
Wet Weight of Oysters:	0.12	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: F Station No.: 52

Wet Weight of Shell and Live Invertebrates:	0.32	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.10	kg
Wet Weight of Oysters:	0.22	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: G Station No.: 53

Wet Weight of Shell and Live Invertebrates:	0.22	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.10	kg
Wet Weight of Oysters:	0.12	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: G Station No.: 54

Wet Weight of Shell and Live Invertebrates:	1.91	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.20	kg
Wet Weight of Oysters:	1.71	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: G Station No.: 55

Wet Weight of Shell and Live Invertebrates:	13.29	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	4.25	kg
Wet Weight of Oysters:	8.51	kg
Wet Weight of Other Invertebrates: (mussels)	0.53	kg

...Cont'd.

Appendix. Cont'd.

Transect Line: G Station No.: 56

Wet Weight of Shell and Live Invertebrates:	0.10 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.08 kg
Wet Weight of Oysters:	0.02 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: G Station No.: 57

Wet Weight of Shell and Live Invertebrates:	0.57 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.42 kg
Wet Weight of Oysters:	0.15 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: G Station No.: 58 - No catch.

Transect Line: G Station No.: 59

Wet Weight of Shell and Live Invertebrates:	3.37 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.52 kg
Wet Weight of Oysters:	1.74 kg
Wet Weight of Other Invertebrates: (mussels).....	0.11 kg

Transect Line: G Station No.: 60

Wet Weight of Shell and Live Invertebrates:	3.76 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.43 kg
Wet Weight of Oysters:	1.93 kg
Wet Weight of Other Invertebrates: (mussels).....	0.40 kg

Transect Line: G Station No.: 61

Wet Weight of Shell and Live Invertebrates:	3.07 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.05 kg
Wet Weight of Oysters:	1.02 kg
Wet Weight of Other Invertebrates:	0 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: G Station No.: 62

Wet Weight of Shell and Live Invertebrates:	0.64 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.64 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: H Station No.: 63

Wet Weight of Shell and Live Invertebrates:	1.41 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.80 kg
Wet Weight of Oysters:	0.61 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: H Station No.: 64

Wet Weight of Shell and Live Invertebrates:	2.68 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.16 kg
Wet Weight of Oysters:	1.50 kg
Wet Weight of Other Invertebrates:	0.02 kg

Transect Line: H Station No.: 65

Wet Weight of Shell and Live Invertebrates:	11.82 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	4.47 kg
Wet Weight of Oysters:	5.28 kg
Wet Weight of Other Invertebrates: (mussels).....	2.07 kg

Transect Line: H Station No.: 66 - No catch.

Transect Line: H Station No.: 67 - No catch.

Transect Line: H Station No.: 68

Wet Weight of Shell and Live Invertebrates:	1.62 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.34 kg
Wet Weight of Oysters:	0.28 kg
Wet Weight of Other Invertebrates:	0 kg

...Cont'd.

Transect Line: H Station No.: 69

Wet Weight of Shell and Live Invertebrates:	5.56 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.80 kg
Wet Weight of Oysters:	2.76 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: H Station No.: 70

Wet Weight of Shell and Live Invertebrates:	7.39 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	4.50 kg
Wet Weight of Oysters:	2.69 kg
Wet Weight of Other Invertebrates:	0.20 kg

Transect Line: H Station No.: 71

Wet Weight of Shell and Live Invertebrates:	1.56 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.01 kg
Wet Weight of Oysters:	0.53 kg
Wet Weight of Other Invertebrates: (mussels).....	0.02 kg

Transect Line: H Station No.: 72 - No catch.

Transect Line: H Station No.: 73

Wet Weight of Shell and Live Invertebrates:	1.83 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.83 kg
Wet Weight of Oysters:	0.94 kg
Wet Weight of Other Invertebrates: (mussels)	0.06 kg

Transect Line: H Station No.: 74

Wet Weight of Shell and Live Invertebrates:	0.27 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.11 kg
Wet Weight of Oysters:	0.16 kg
Wet Weight of Other Invertebrates:	0 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: H Station No.: 75

Wet Weight of Shell and Live Invertebrates:	3.52 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.11 kg
Wet Weight of Oysters:	1.41 kg
Wet Weight of Other Invertebrates: (mussels)	0 kg

Transect Line: H Station No.: 76

Wet Weight of Shell and Live Invertebrates:	9.21 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	4.24 kg
Wet Weight of Oysters:	3.10 kg
Wet Weight of Other Invertebrates: (mussels)	1.87 kg

Transect Line: H Station No.: 77

Wet Weight of Shell and Live Invertebrates:	13.14 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	6.45 kg
Wet Weight of Oysters:	3.21 kg
Wet Weight of Other Invertebrates: (mussels)	3.48 kg

Transect Line: I Station No.: 78

Wet Weight of Shell and Live Invertebrates:	15.30 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	5.45 kg
Wet Weight of Oysters:	5.39 kg
Wet Weight of Other Invertebrates: (mussels).....	2.46 kg

Transect Line: I Station No.: 79 - No catch.

Transect Line: I Station No.: 80 - No catch.

Transect Line: I Station No.: 81

Wet Weight of Shell and Live Invertebrates:	4.01 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.26 kg
Wet Weight of Oysters:	1.75 kg
Wet Weight of Other Invertebrates:	0 kg

...Cont'd.

Appendix 1. Cont'd.

Transect Line: I Station No.: 82

Wet Weight of Shell and Live Invertebrates:	2.21 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.58 kg
Wet Weight of Oysters:	0.57 kg
Wet Weight of Other Invertebrates:	0.06 kg

Transect Line: I Station No.: 83

Wet Weight of Shell and Live Invertebrates:	2.82 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.11 kg
Wet Weight of Oysters:	0.66 kg
Wet Weight of Other Invertebrates:	0.05 kg

Transect Line: I Station No.: 84

Wet Weight of Shell and Live Invertebrates:	0.26 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.01 kg
Wet Weight of Oysters:	0.18 kg
Wet Weight of Other Invertebrates:	0.07 kg

Transect Line: I Station No.: 85

Wet Weight of Shell and Live Invertebrates:	0.67 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.12 kg
Wet Weight of Oysters:	0.55 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: J Station No.: 86

Wet Weight of Shell and Live Invertebrates:	0.62 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.20 kg
Wet Weight of Oysters:	0.42 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: J Station No.: 87

Wet Weight of Shell and Live Invertebrates:	7.39 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	4.03 kg
Wet Weight of Oysters:	1.96 kg
Wet Weight of Other Invertebrates: (mussels)	1.40 kg

...Cont'd.

Transect Line: J Station No.: 88

Wet Weight of Shell and Live Invertebrates: ..... 11.95 kg
Wet Weight of Oyster Shell: ..... 0 kg
Wet Weight of Other Shell: ..... 5.12 kg
Wet Weight of Oysters: ..... 2.14 kg
Wet Weight of Other Invertebrates: (mussels) ..... 4.69 kg

Transect Line: J Station No.: 89

Wet Weight of Shell and Live Invertebrates: ..... 13.88 kg
Wet Weight of Oyster Shell: ..... 0 kg
Wet Weight of Other Shell: ..... 5.60 kg
Wet Weight of Oysters: ..... 2.00 kg
Wet Weight of Other Invertebrates: (mussels) ..... 6.28 kg

Transect Line: J Station No.: 90

Wet Weight of Shell and Live Invertebrates: ..... 5.47 kg
Wet Weight of Oyster Shell: ..... 0 kg
Wet Weight of Other Shell: ..... 2.76 kg
Wet Weight of Oysters: ..... 2.42 kg
Wet Weight of Other Invertebrates: (mussels) ..... 0.29 kg

Transect Line: J Station No.: 91

Wet Weight of Shell and Live Invertebrates: ..... 9.04 kg
Wet Weight of Oyster Shell: ..... 0 kg
Wet Weight of Other Shell: ..... 5.08 kg
Wet Weight of Oysters: ..... 2.94 kg
Wet Weight of Other Invertebrates: (mussels) ..... 1.02 kg

Transect Line: J Station No.: 92

Wet Weight of Shell and Live Invertebrates: ..... 2.57 kg
Wet Weight of Oyster Shell: ..... 0 kg
Wet Weight of Other Shell: ..... 1.40 kg
Wet Weight of Oysters: ..... 1.09 kg
Wet Weight of Other Invertebrates: (mussels) ..... 0.08 kg

Transect Line: J Station No.: 93 - No catch.

Transect Line: J Station No.: 94 - No catch.

...Cont'd.

Appendix 1. Cont'd.

Transect Line: J Station No.: 95

Wet Weight of Shell and Live Invertebrates:	1.46 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.62 kg
Wet Weight of Oysters:	0.84 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: J Station No.: 96

Wet Weight of Shell and Live Invertebrates:	0.08 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.08 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: J Station No.: 97

Wet Weight of Shell and Live Invertebrates:	1.05 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.78 kg
Wet Weight of Oysters:	0.27 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: J Station No.: 98

Wet Weight of Shell and Live Invertebrates:	0.06 kg
Wet Weight of Cyster Shell:	0 kg
Wet Weight of Other Shell:	0.03 kg
Wet Weight of Oysters:	0.03 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: J Station No.: 99

Wet Weight of Shell and Live Invertebrates:	0.61 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.15 kg
Wet Weight of Oysters:	0.40 kg
Wet Weight of Other Invertebrates: (mussels)	0.06 kg

Transect Line: K Station No.: 100

Wet Weight of Shell and Live Invertebrates:	0.90 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.57 kg
Wet Weight of Oysters:	0.33 kg
Wet Weight of Other Invertebrates:	0 kg

... Cont'd.

Appendix. Cont'd.

Transect Line: K Station No.: 101

Wet Weight of Shell and Live Invertebrates:	3.41	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	3.17	kg
Wet Weight of Oysters:	0.24	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: K Station No.: 102

Wet Weight of Shell and Live Invertebrates:	3.82	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	3.42	kg
Wet Weight of Oysters:	0.40	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: K Station No.: 103 - No catch.

Transect Line: K Station No.: 104

Wet Weight of Shell and Live Invertebrates:	0.31	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0	kg
Wet Weight of Oysters:	0.31	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: K Station No.: 105 - No catch.

Transect Line: K Station No.: 106

Wet Weight of Shell and Live Invertebrates:	0.82	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.39	kg
Wet Weight of Oysters:	0.43	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: K Station No.: 107

Wet Weight of Shell and Live Invertebrates:	0.54	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.54	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

...Cont'd.

Appendix. Cont'd.

Transect Line: K Station No.: 108

Wet Weight of Shell and Live Invertebrates:	0.27 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.27 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: K Station No.: 109

Wet Weight of Shell and Live Invertebrates:	3.40 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.73 kg
Wet Weight of Oysters:	1.64 kg
Wet Weight of Other Invertebrates: (mussels)	0.03 kg

Transect Line: K Station No.: 110

Wet Weight of Shell and Live Invertebrates:	2.22 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.48 kg
Wet Weight of Oysters:	0.74 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: K Station No.: 111

Wet Weight of Shell and Live Invertebrates:	6.08 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.87 kg
Wet Weight of Oysters:	3.21 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: K Station No.: 112

Wet Weight of Shell and Live Invertebrates:	0.26 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.26 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: L Station No.: 113

Wet Weight of Shell and Live Invertebrates:	2.47 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.73 kg
Wet Weight of Oysters:	0.69 kg
Wet Weight of Other Invertebrates: (mussels)	0.05 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: L Station No.: 114

Wet Weight of Shell and Live Invertebrates:	1.53 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.08 kg
Wet Weight of Oysters:	0.45 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: L Station No.: 115

Wet Weight of Shell and Live Invertebrates:	4.87 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.86 kg
Wet Weight of Oysters:	1.51 kg
Wet Weight of Other Invertebrates: (mussels)	0.49 kg

Transect Line: L Station No.: 116

Wet Weight of Shell and Live Invertebrates:	2.10 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.32 kg
Wet Weight of Oysters:	0.63 kg
Wet Weight of Other Invertebrates: (mussels)	0.15 kg

Transect Line: L Station No.: 117

Wet Weight of Shell and Live Invertebrates:	0.12 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.12 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: L Station No.: 118

Wet Weight of Shell and Live Invertebrates:	0.48 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.48 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: L Station No.: 119

Wet Weight of Shell and Live Invertebrates:	0.27 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.27 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: L Station No.: 120

Wet Weight of Shell and Live Invertebrates:	0.19	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.19	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: L Station No.: 121 - No catch.

Transect Line: L Station No.: 122

Wet Weight of Shell and Live Invertebrates:	1.76	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.87	kg
Wet Weight of Oysters:	0.89	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: L Station No.: 123

Wet Weight of Shell and Live Invertebrates:	0.35	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.19	kg
Wet Weight of Oysters:	0.16	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: M Station No.: 124 - No catch.

Transect Line: M Station No.: 125 - No catch.

Transect Line: M Station No.: 126

Wet Weight of Shell and Live Invertebrates:	0.71	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.42	kg
Wet Weight of Oysters:	0.26	kg
Wet Weight of Other Invertebrates: (mussels)	0.03	kg

Transect Line: M Station No.: 127

Wet Weight of Shell and Live Invertebrates:	0.97	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	4.05	kg
Wet Weight of Oysters:	0.71	kg
Wet Weight of Other Invertebrates: (mussels)	0.21	kg

...Cont'd.

Appendix. Cont'd.

Transect Line: M Station No.: 128

Wet Weight of Shell and Live Invertebrates:	4.20 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	3.41 kg
Wet Weight of Oysters:	0.67 kg
Wet Weight of Other Invertebrates: (mussels)	0.12 kg

Transect Line: M Station No.: 129 - No catch.

Transect Line: M Station No.: 130

Wet Weight of Shell and Live Invertebrates:	1.06 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.66 kg
Wet Weight of Oysters:	0.31 kg
Wet Weight of Other Invertebrates: (mussels)	0.09 kg

Transect Line: M Station No.: 131

Wet Weight of Shell and Live Invertebrates:	1.91 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.71 kg
Wet Weight of Oysters:	0.15 kg
Wet Weight of Other Invertebrates: (mussels)	0.05 kg

Transect Line: M Station No.: 132

Wet Weight of Shell and Live Invertebrates:	2.79 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.36 kg
Wet Weight of Oysters:	0.28 kg
Wet Weight of Other Invertebrates: (mussels)	0.15 kg

Transect Line: M Station No.: 133

Wet Weight of Shell and Live Invertebrates:	2.87 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	2.74 kg
Wet Weight of Oysters:	0.00 kg
Wet Weight of Other Invertebrates:	0 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: N Station No.: 134

Wet Weight of Shell and Live Invertebrates:	1.14 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.89 kg
Wet Weight of Oysters:	0.23 kg
Wet Weight of Other Invertebrates:	0.02 kg

Transect Line: N Station No.: 135

Wet Weight of Shell and Live Invertebrates:	0.57 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.47 kg
Wet Weight of Oysters:	0.09 kg
Wet Weight of Other Invertebrates: (mussels)	0.01 kg

Transect Line: N Station No.: 136

Wet Weight of Shell and Live Invertebrates:	1.87 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.33 kg
Wet Weight of Oysters:	0.43 kg
Wet Weight of Other Invertebrates: (mussels)	0.11 kg

Transect Line: N Station No.: 137

Wet Weight of Shell and Live Invertebrates:	0.19 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.06 kg
Wet Weight of Oysters:	0.13 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: N Station No.: 138

Wet Weight of Shell and Live Invertebrates:	0.02 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0 kg
Wet Weight of Oysters:	0.02 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: N Station No.: 139

Wet Weight of Shell and Live Invertebrates:	0.08 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.08 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: N Station No.: 140 - No catch.

Transect Line: N Station No.: 141 - No catch.

Transect Line: O Station No.: 142

Wet Weight of Shell and Live Invertebrates:	5.87 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	4.71 kg
Wet Weight of Oysters:	0.89 kg
Wet Weight of Other Invertebrates: (mussels)	0.27 kg

Transect Line: O Station No.: 143

Wet Weight of Shell and Live Invertebrates:	1.21 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.61 kg
Wet Weight of Oysters:	0.54 kg
Wet Weight of Other Invertebrates: (mussels)	0.06 kg

Transect Line: O Station No.: 144

Wet Weight of Shell and Live Invertebrates:	0.17 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.02 kg
Wet Weight of Oysters:	0.15 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: O Station No.: 145

Wet Weight of Shell and Live Invertebrates:	0 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.97 kg
Wet Weight of Oysters:	0.18 kg
Wet Weight of Other Invertebrates: (mussels)	0.02 kg

Transect Line: O Station No.: 146

Wet Weight of Shell and Live Invertebrates:	0 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	1.37 kg
Wet Weight of Oysters:	0.10 kg
Wet Weight of Other Invertebrates: (mussels).....	0.49 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: 0 Station No.: 147

Wet Weight of Shell and Live Invertebrates:	0	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.05	kg
Wet Weight of Oysters:	0.04	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: 0 Station No.: 148

Wet Weight of Shell and Live Invertebrates:	0.10	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.10	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: 0 Station No.: 149 - No catch.

Transect Line: 0 Station No.: 150 - No catch.

Transect Line: 0 Station No.: 151

Wet Weight of Shell and Live Invertebrates:	0.05	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Qther Shell:	0.05	kg
Wet Weight of Oysters:	0	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: 0 Station No.: 152 - No catch.

Transect Line: 0 Station No.: 153

Wet Weight of Shell and Live Invertebrates:	1.78	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	1.06	kg
Wet Weight of Oysters:	0.72	kg
Wet Weight of Other Invertebrates:	0	kg

Transect Line: 0 Station No.: 154 - No catch.

Transect Line: 0 Station No.: 155 - No catch.

...Cont'd.

Appendix. Cont'd.

Transect Line: O Station No.: 156

Wet Weight of Shell and Live Invertebrates:	0.30 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.04 kg
Wet Weight of Oysters:	0.26 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: O Station No.: 157 - No catch.

Transect Line: P Station No.: 158

Wet Weight of Shell and Live Invertebrates:	2.23 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.61 kg
Wet Weight of Oysters:	1.62 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: P Station No.: 159 - No catch.

Transect Line: P Station No.: 160 - No catch.

Transect Line: P Station No.: 161

Wet Weight of Shell and Live Invertebrates:	0.34 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0.34 kg
Wet Weight of Oysters:	0 kg
Wet Weight of Other Invertebrates:	0 kg

Transect Line: P Station No.: 162 - No catch.

Transect Line: P Station No.: 163 - No catch.

Transect Line: P Station No.: 164

Wet Weight of Shell and Live Invertebrates:	0.07 kg
Wet Weight of Oyster Shell:	0 kg
Wet Weight of Other Shell:	0 kg
Wet Weight of Oysters:	0.07 kg
Wet Weight of Other Invertebrates:	0 kg

...Cont'd.

Appendix. Cont'd.

Transect Line: P Station No.: 165

Wet Weight of Shell and Live Invertebrates:	0	kg
Wet Weight of Oyster Shell:	0	kg
Wet Weight of Other Shell:	0.41	kg
Wet Weight of Oysters:	0.06	kg
Wet Weight of Other Invertebrates: (mussels)	0.06	kg

Transect Line: P Station No.: 166 - No catch.

Transect Line: P Station No.: 167 - No catch.